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Patent Codlin Moth Tree Bands

**Certain Death to All Grubs
Weevils, Etc., That Attack Fruit Trees**



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Per Roll



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BANDS NOT ONLY
TRAP INNUMERABLE
GRUBS, WEEVILS, Etc.,
BUT THE POISON
WITH WHICH THE
BANDS ARE IMPREG-
NATED KILLS THEM
OUTRIGHT.

THEY ARE DEADLY
IN THEIR PURPOSE
AND THERE IS NO
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CODLIN MOTH TREE
BANDS WE SUPPLY
ONE GROSS OF
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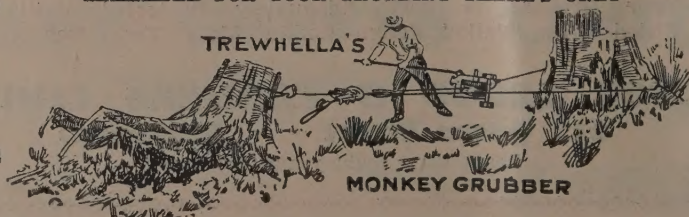
Previous experience had convinced me that to be really efficient a grubbing machine should have ample power and ropes that will meet the heavy demands required of them. I found that shovel and axe work is very costly either by itself or in conjunction with a machine. The machine that offered these features, with a host of others, was **THE "MONKEY" GRUBBER.**

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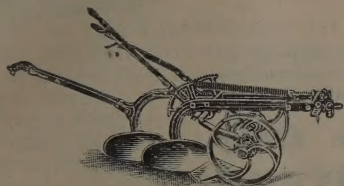
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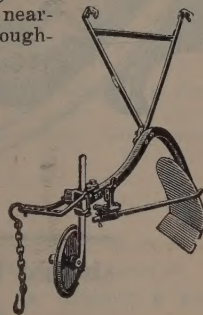
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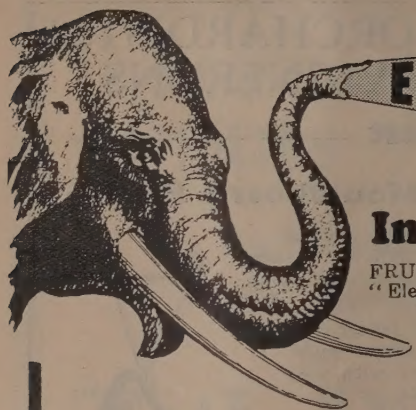
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UNITED STATES APPLE CROP.

The forecast of the total crop is 133,824,000 bushels, as compared with 202,415,000 bushels produced in 1931. The estimate of the commercial crop alone is 83,924,000 bushels as compared with 103,476,000 bushels produced in 1931. Of this commercial estimate, various important Apple States show the following:—New York, 13,116,000 bushels; Pennsylvania, 3,675,000; Ohio, 1,434,000; Illinois, 1,260,000; Michigan, 3,129,000; Virginia, 4,680,000; West Virginia, 1,890,000; Colorado, 2,136,000; Idaho, 4,290,000; Washington, 24,516,000; Oregon, 3,150,000; and California, 6,030,000 bushels.

The way we live our to-day determines our to-morrow.

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THE SPIRIT OF GOODWILL.

"THE spirit of international co-operation and goodwill is burning more brightly than at any time within living memory. For this we may all be profoundly grateful. The world-wide depression and economic disturbance has been largely caused by maladjustment of distribution. The potential output is far greater than ever before. If all employable labor were employed for a reasonable number of hours per week the world would have at its disposal a volume of commodities and services that would enable the entire population to live on a higher level of comfort and well-being than has ever been contemplated in the rosiest dreams of the social reformer. The urgent task is to bring consumption and production into a proper relationship—not a simple but quite a possible task."—The Prince of Wales.

UNITY.

THE Editor and staff desire to take this opportunity of conveying to readers their Christmas and New Year Greetings. While it is evident that Australia, in common with other parts of the world, is passing through a very difficult period, we would like to add just a word of encouragement. If, because of these difficult days we become more closely welded together as a nation, and an Empire, these times will not have been in vain. And if, in addition, we learn that we are one with our fellow inhabitants of this planet, we will have advanced in the knowledge of a deep underlying truth. We are all one with each other. As that big-hearted seer, Ralph Waldo Emerson says—"We see the world piece by piece as the sun, the moon, the animal, the tree; but the whole, of which these are the shining parts, is the soul . . . Within man is the soul of the whole, the wise silence, the universal beauty to which every part and particle is equally related—the eternal one. . . ."

* * * * *

As individuals recognise the underlying principle in life, so will we perceive our relation to the whole, and this earth will yet respond to the angel's chorus of "Peace on Earth, Goodwill to Men."

In the death of Mr. Sam McKay, managing director of H. V. McKay Massey Harris Pty. Ltd., Australia loses a good citizen. Mr. McKay was the chief executive of a large and important business in the manufacture of implements for farmers. He took a keen interest in all public affairs and was one of the official advisers to the Government at the recent Ottawa Conference. Of a genial, kindly nature, he will be greatly missed.

* * * * *

Mr. D. B. Ferguson, former general manager, has been appointed chairman of directors and managing director of H. V. McKay Massey Harris Pty. Ltd., to fill the vacancy caused by the death of Mr. Sam McKay.

Mr. C. N. McKay has been appointed assistant managing director and general manager, and Mr. A. A. Campbell general sales manager.

A graceful tribute has been paid to Dr. Herbert J. Webber, in charge of the University of California Experiment Station, Riverside, Cal. A recreation reserve has been called "Webber Park" in honor of this noted scientist.

PERSONAL.

Mr. S. Fish, M.Agr.Sc., of the Plant Research Laboratory, Burnley, Vic., is actively assisting in the investigational work in connection with brown rot, Pear scab and black spot, at Doncaster.

Mr. A. Leber, Doncaster, Vic., has placed a pot of 100 trees at the disposal of the Department of Agriculture, for experimental purposes in the campaign to check Peach brown rot, Pear scab, and Apple black spot.

Messrs. W. H. Hitchins (Nambour), M. Thom (Palmwoods), W. J. Suarea (Beerburum), P. Hicks (Dagun), W. Lazenby (Amamoor), H. C. Grigg (Cleveland), and E. E. McNall (Woombye), loaders for the Committee of Direction of Fruit Marketing, have been appointed also Honorary Inspectors under the Diseases in Plants Acts.

Mr. H. K. Lowcock, Temporary Assistant Pathologist, Department of Agriculture and Stock, has been appointed Assistant Pathologist, Department of Agriculture and Stock.

Mr. C. N. Morgan, agent under the Banana Industry Protection Act, Cooroy, has been appointed an Inspector under the Diseases in Plants Act, The Summit, via Stanthorpe.

Mr. C. H. Tutton, has sent an interesting postcard from Bristol, England, showing a picture of a large Imperial Airways Liner. Mr. Tutton remarks: "A flight in this liner proved a revelation of comfortable speedy travel. Refreshments available en route. Similar liners may soon connect Australia with England."

The Queensland Sugar Industry lost a good friend when Mr. Harry T. Easterby, director of the Bureau of Sugar Experiment Stations passed away at the end of September. The late Mr. Easterby was a native of Victoria, having been born at Echuca in 1867.

Mr. W. A. Webb, President of the Doncaster Fruit-growers' Association, and a member of the Executive of the Victorian Fruit Marketing Association, is actively associated with the launching of the Southern (Victoria) Fruitgrowers' Research Fund—to repay growers who suffer losses because of investigational work carried out on their properties.

WELCOME HOME TO J. B. MILLS.

In order to tender a hearty welcome home to Mr. J. B. Mills, President of the Australian Apple and Pear Export Council, who was the accredited representative of the Council at the recent Ottawa Conference, a dinner in his honor is being arranged at the Oriental Hotel, Collins-street, Melbourne, for Thursday, December 22, 1932, at 7.30 p.m. The gathering will be a large and representative one. All sections of the fruit industry will be represented—growers, shippers, shipping companies, etc., also members of Parliament (both State and Federal), representatives of banks, Government departments (both State and Federal), research institutions, and others. Tickets are 15/- each. Those desiring to attend should make early application to the Honorary Secretary, Mr. F. Cave, Wholesale Fruit Market, Melbourne, in order to ensure seating accommodation.

Cultural Notes for December.

Planting and Training Passion Fruit—Re working Citrus Trees—Thinning Apples and Pears—Control of Soil Erosion.

(By R. J. Benton, Special Fruit Instructor, N.S.W. Department of Agriculture.)

THE spring months have been more favorable than usual to a reserve of soil moisture. The ultimate size attained by the fruit is mainly dependent upon there being a sufficient supply, and cultivation as necessity arises to keep down weed growth must therefore not be neglected. Under irrigation the stirring of the soil is necessary also to assist in the penetration of the water. The surface drains of orchards on hillside situations must be regularly attended to in order that minimum erosion may be caused by thunderstorms.

Planting of Passion Fruit.

Planting of Passion vines may be continued this month. It is advisable to give each of the young plants a quart of water, and to reduce the leaf area by cutting them back. It is frequently noticed that growers commence to train the plants too early, often endeavoring to get the original stem to form the main trunk. Pinching of laterals to this end entails considerable labor and gives poor results. Training should not commence until there are several vigorous laterals, 18 inches long at least. One or two of these should be selected and tied to a stake and the remainder of the plant cut off, and any side shoots arising from the plant should be removed until the wires are reached. The leaves should not be removed from the stem, as they shade the vine and help in its development during the period of training.

Where Passion vines have been pruned in recent weeks or are being newly trained, applications of Bordeaux mixture (6-4-50) at monthly intervals is recommended for prevention of brown spot.

Re-working of Citrus Trees.

Where citrus trees were cut back in early spring for re-working, considerable vigorous growth should now be in evidence. In localities where winter frosts are not severe and the growths are thick enough, buds may now be inserted and cut back to within a few inches of the bud in about two or three weeks' time. In most cases, however, budding in late February or March is recommended, the shoots budded being not cut back until next spring. In all cases trees cut back some months ago will need some attention in the way of the thinning out of unnecessary growths and a light checking of any growth so exuberant that there is a risk of it being broken off. From eight to sixteen shoots are usually required for budding later according to the size of the tree.

Lemons.

The production of high quality Lemons is essential if the product is to demand the attention of the best trade. While there is no fault to be found with the juice content of the average sample, improvement is possible in the keeping quality and in appearance and size. Size and keeping quality depend on soil and cultural factors, but appearance, while indirectly due to such factors, may be further improved by increasing the proportion of fruit grown in the shade. To this end occasional shortening of any long straggling laterals to induce a denser growth is recommended. Mr. Inspector Griffen finds that two prunings a year, and sometimes three, are necessary for the best results.

Though data as to fruit harvested during the various seasons of the year are not complete, it appears certain

that better quality fruit is being produced by Lemon trees receiving applications of nitrogenous fertiliser in midsummer and early autumn than in the spring and early summer.

Thinning of Apples and Pears.

In the case of some varieties of Apples and Pears it will be necessary in many cases this season to thin out a portion of the fruit if the crop is to develop to a satisfactory commercial size. The chief advantage of thinning are as follows:—

1. It lightens the overloaded tree, and the remaining fruit has a much better chance of attaining a good commercial size and commanding better prices.
2. The handling costs are less.
3. It gets rid of undesirable specimens of fruit to the advantage of better specimens.
4. It assists in regulating crops of marketable fruit.
5. Spraying can be more thoroughly carried out, and as a consequence is more effective.

To quote a Canadian departmental publication on this subject: "There is much experimental evidence to show that thinning judiciously done rarely reduces the total volume of Apples produced. It simply makes it possible to grow one good Apple in place of probably two inferior ones. The reduction in the number of fruits from thinning means that proportionately less Apples are to be harvested when matured, and that a saving of labor in picking and packing is thereby effected."

Many varieties of Apples and Pears require thinning only in exceptional circumstances: it is more frequently beneficial, on the other hand, in the case of Apples which bear in clusters, such as Yates and Rokewood, and Pears such as Beurre de Capiaumont and Winter Cole. The operation should not be started until the fruit has set well, and after natural shedding has taken place. When thinning, care should be taken to space the fruit and remove any fruit which is malformed or badly blemished.

Growers would be well advised to inspect all young trees and remove any fruit which is likely to retard their development. A few Apples or Pears on young trees may be responsible for the breaking or bending of limbs which have not developed sufficiently to carry the weight of fruit, and the amount of fruit harvested from such trees is extremely poor compensation for the damage done. It is most desirable that trees should be properly developed before they are allowed to carry fruit.

Control of Soil Erosion in Orchards.

Mr. W. W. Cooke, Fruit Instructor at Goulburn, has drawn attention to the fact that soil erosion is becoming a matter causing grave concern in many orchards, and has supplied the following notes in regard to the influence of cultural practices on the washing of orchard soils.

In some instances, he observes, the annual amount of soil lost is so small as to be hardly noticeable, though sufficient in time to affect the health of the trees and the amount and quality of the fruit produced. In other instances the loss after one storm may be so great that weeks of work may be required to cart back the soil that has been washed to lower parts of the orchard, whilst in others again much valuable soil may be totally lost. Clean cultivation when the orchard has been planted on a

slope is largely to blame for this loss, especially with some types of soil. Yet clean cultivation is necessary from about October to March in order to conserve soil moisture, for whilst the theory that cultivation locks in the moisture by stopping capillary movement has been largely abandoned, it is recognised that it is essential to destroy weed growth if the moisture in the soil is to be retained. It has been estimated that as much as 300 to 500 lb. of water are required to produce 1 lb. of dry vegetable matter, most of this water being removed from the soil by transpiration. Nor must the important part a soil mulch plays in keeping the feeding roots of trees cool during a hot summer be lost sight of. It has been found that in cultivated soil the temperature at a depth of a few inches is many degrees cooler than at the same depth in a soil not cultivated. It thus appears impossible to avoid clean cultivation if the best results are to be obtained. The question then arises how to prevent soil erosion, whilst still giving the orchard the cultivation necessary to promote the required growth of both trees and fruit.

Various methods have been adopted by fruit-growers in southern New South Wales, with more or less satisfactory results. In one orchard visited ploughing up and down the slope has been abandoned in favour of cross-ploughing, and a strip of soil 12 or 14 inches wide is left unploughed along each row of trees. Whilst this makes the work harder for the ploughman, and has a somewhat unruly appearance, it has prevented an enormous loss of soil. Most of the cultivation is also done across the slope. In several other orchards every third or fourth row of trees has a strip left uncultivated.

Whilst this method gives good results with land having an even slope, other methods must be adopted where the contour of the land is more or less broken. In some orchards contour-drains are used, these being made in the form of shallow open drains 3 to 4 feet wide following the contour of the land and of only sufficient depth to carry off storm water. In some cases these are sown down with grass, to prevent erosion in the bottom of the drains. Care then has to be taken in crossing them with the plough, etc., so as not to destroy them. The conformation of some orchard land makes it necessary for several contour drains to lead into a depression, running more or less downhill. It then becomes essential for the latter to be sown down with some suitable grass, and left uncultivated. Whilst these methods may appear to some to entail considerable trouble, those who have tried them consider the benefits more than compensate for any difficulties encountered.

In orchards where the erosion is only slight, much can be done by exercising care in cultivation. In parts where erosion is likely to occur, it is not desirable to work up the soil to too fine a tilth, thus encouraging loss of soil; neither is this absolutely necessary to conserve moisture. It is also advisable when two cultivations are given with little or no interval that the last should be across the fall of the land, and not up and down. Although there are unfortunately some orchards, where is is almost impossible to prevent some loss of soil, very much can be done with some or all of the methods suggested, to reduce such loss to a minimum.—"N.S.W. Agric. Gazette."

Young (14/11/32).—At the time of writing, the Cherry crop is in full swing. We have just had some rather heavy rain, and it is a little early to determine whether any damage will result, but it is believed that a good deal of benefit will accrue from the rain, which is being welcomed generally by all other sections of the primary producing industry in the Young district.

Early Cherries are exceptionally heavy and mid-season

Cherries may be regarded as heavy. The late Cherries are fair as regards Florence and very light as regards St. Margarets. Prices being received at the moment are considerably lower than has been the case than on any previous occasion, due no doubt to the larger quantities being marketed and the poorer purchasing power, particularly in the metropolitan areas.

Peaches and Nectarines will apparently yield a moderate crop of good quality fruit. The trees are loaded generally, as they should be after pruning, but without the necessity for that work.

The Prune crop is not as heavy as was at first anticipated. There has been rather a heavy shedding during the last week or two, but the trees are carrying very nice crops and on present indications the quality will be excellent. From present appearances there will be ample Prunes available of high quality.

Apples and Pears throughout the district are exceptionally fine and give promise of much the heaviest crop in the history of the soldier settlements of the Young district. Formation of the fruit seems good, and there is little sign of deformity which was so general after last years thrips visitation.

Summing up, unless there is some untoward happening, the prospects are for good yields of good quality fruit, and as packing methods have progressed considerably during the last few years, it only remains for a reasonable price to be obtained and the growers will probably regard the year as a most satisfactory one.—T. A. Tester.

Batlow.—Mr. H. V. Smith, Batlow Packing House and Cool Stores Rural Co-operative Society Ltd., writes as follows on November 22, 1932. Re district fruit crop prospects:—

Apples.—Granny Smiths, Dougherty, Jonathans, good to heavy; Yates, medium to good; London Pippin, King David, Democrats, medium to good.

Pears.—The main varieties we grow are the Winter Cole, Packham's Triumph, Josephine, Williams, and all of these have set a medium to good crop. They are still thinning out.

The season has been a very favorable one for black spot, and a certain amount of same is showing up in some orchards through the Pears. So far we have had no reports regarding any black spot showing in the Apples.

THE PRUNE INDUSTRY.

Control Legislation Desired.

At the request of a majority of Prune growers in N.S.W., the State Dried Fruits Board proclaimed Prunes a dried fruit under the Dried Fruits Act. Prune growers in Victoria and South Australia have agreed to similar action in their States.

At the end of October the Minister for Commerce (Mr. Stewart) received a deputation requesting a slight amendment of the Commonwealth Dried Fruits Act to provide for dried tree fruits being brought under control. Messrs. Twiss (Secretary, South Australian Dried Fruits Board), Rutledge (Irrigation Societies), and T. A. Tester, of Young, put the case for control.

The Minister promised prompt action on confirming certain facts.

The Discovery.

Jones: "My wife explored my pockets last night."

Bones: "What did she get?"

Jones: "About the same as any other explorer—enough material for a lecture."

NEW SOUTH WALES.

Methods of dealing with the forthcoming summer fruit crop were discussed early in November at a conference in Sydney convened by the Minister for Agriculture (Mr. H. Main), who presided. Helpful suggestions were put forward by Messrs. J. Heane and H. G. Such (Fruit-growers' Federation); J. Blick (Producers' Co-operative Distributing Society); C. L. de Boos and others. A Committee was formed to go thoroughly into the whole matter, the following items being recommended to the Committee: (1) Substantial export of Apples and Pears; (2) Distribution "by barrowmen"; (3) Fruit juices; (4) Improved facilities at the City Market; (5) Tightening of fruit grading regulations; (6) Sales through Railways Department; (7) Inclusion of fruit under Government food ration relief orders.

OBITUARY.

Mr. John Neil, of Glenorie, N.S.W.

Sydney (2/11/32).—The fruit industry has lost a sturdy advocate in the death of Mr. John Neil, which occurred at Glenorie, on October 31.

Mr. Neil, who was aged 75 years, had been an alderman of Dundas, and occupied the Mayoral chair on several occasions. He was President of the New South Wales Fruitgrowers' Association, and judge of fruit at various country shows. He previously had a business as a commission agent in Sydney, and from which he retired 17 years ago to devote his whole time to his orchard. For a number of years he carried out the duties of a Methodist local preacher. He has left a widow and ten children.

CITRUS FERTILISATION IN SOUTH AFRICA.

A recent issue of "The Fertiliser Review," published by the National Fertiliser Association, shows comparative pictures of Navel Orange trees upon which different fertiliser treatments have been used and gives corresponding yields. The experiment was carried out on a loam soil at Citrusdal, South Africa. The average yields in boxes per acre obtained during a six-year period were:—Unfertilised, 235; nitrogen and phosphoric acid, 332; complete fertiliser, 437; phosphoric acid and potash, 120; nitrogen and potash, 197.

CITRUS THRIPS.

Mr. Stewart Lockwood, Supervising Entomologist of the Californian Department of Agriculture, in an article on citrus thrips in the journal "Citrus Leaves," states that there are a large number of species of thrips, several of which may be found from time to time on citrus foliage, fruit and blossoms. Citrus thrips is the most important of these insects to the citrus growers in California. While fruits of the Navel Orange are most severely attacked by citrus thrips, scarring of Satsuma Oranges, Valencia's, Grapefruit and Lemons has been recorded.

Fully 90 per cent. of these insects are found on the outer portions of the tree. The preferred hosts seem to be citrus, especially Navel and Satsuma Oranges. Pomegranates at times are deeply scarred by this insect. Other hosts are European Grapes, California Pepper Trees, Chinese Umbrella trees, deciduous fruit trees, Pecan and Walnut trees, Alfalfa, and several weeds. During the summer months this insect is more readily found on host plants other than citrus.

Spraying with lime-sulphur or dusting with finely

divided sulphur has been found successful in combating these pests. Application of either material should be uniform.

REMOVAL OF SPRAY RESIDUE.

"Problem Must be Faced by Growers," States Departmental Officer.

DEALING with the matter of the removal of arsenical spray residue from Apples and Pears, Mr. A. G. Strickland, M.Agr.Sc., Horticultural Research Officer, Victorian Department of Agriculture, states that the problem of removing these objectionable residues is one which must be faced by growers.

Under a British Health regulation, persons offering for sale any foodstuff, 1 lb. of which contains more than 0.01 grain of arsenious trioxide, are liable to prosecution. Hand-wiping does not remove residue from the cavity and basin of the fruit, where the greatest concentration of arsenic usually occurs.

In an experiment at Harcourt, Victoria, washing in a solution of $\frac{1}{2}$ or 1 per cent. hydrochloric acid removed the arsenical contents from an original amount of six times above the allowable quantity of approximately $\frac{1}{4}$ of the quantity permitted by regulation.

Hand-wiping with a cloth and washing in water did not sufficiently reduce the arsenical contents. Hydrochloric acid is purchased in concentrated form, and should contain 32 to 33 per cent. of actual acid. This is corrosive and must be handled with care. It attacks cloth, leather, metals, unless quickly washed off with some alkali, such as hydrated lime or baking soda.

The residue is very difficult to remove where spraying oil is also present, but the exposure of the fruit to the acid from one to two minutes is generally sufficient.

It is extremely important that the rinsing should be thorough, otherwise there is danger of fruit injury. If properly carried out, the washing will not injure the fruit in any way; on the contrary, it often results in more attractive fruit. All decayed fruits must be sorted out before the washing process, else mould spores will cause contamination.

As some Apple varieties have open calyx tubes extending down to the core, machines which deeply submerge the fruit are undesirable. If large quantities are to be cleaned, as in a co-operative packing shed, it is desirable to purchase a commercial washing machine. One firm in Melbourne has already drawn up plans for a suitable machine. For the individual grower, handling his own crop, a pair of dipping troughs will give quite satisfactory results. It is important that fruit should be treated immediately after picking. If washing is deferred for any length of time, the fruit develops secondary wax, which greatly impedes the removal of the residue.

In conclusion, Mr. Strickland states:—"Any new practice such as the one under discussion, is never popular at its inception. It is certain, however, that any added costs which the method may incur will be amply repaid by the improvement in general appearance of the fruit. Fruit washing is in general use in United States both for local and export purposes, and in South Africa it is now compulsory for all exported Apples and Pears to be washed in hydrochloric acid."

Policeman (certainly not prepossessing) (to trespasser): "If you value your freedom, young man, you'll keep away from these parts."

Trespasser: "Yes, and if you value your freedom you'll never go anywhere near the Zoo."

Canned Fruits Industry.

CANNED FRUITS—1932 SEASON'S EXPORTS.

The exports of canned fruits to various destinations from the commencement (January 1) of the season to

October 31, 1932, are reported by the Canned Fruit Export Control Board, as follows:—

Country.	Apricots.			Peaches.			Pears.			TOTAL.		
	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.	doz.
United Kingdom ..	98,472	8,134	20,425	299,913	41,670	77,000	405,857	8,742	103,193	804,242	58,546	200,618
New Zealand ..	15,590	—	984	28,744	—	498	1,422	—	35	45,756	—	1,517
The East ..	7,893	20	1,193	17,017	40	1,869	11,304	25	1,388	36,214	85	4,450
Canada ..	3,190	7,685	—	8,404	30,077	4,155	710	6,061	—	12,304	43,823	4,155
Miscellaneous ..	744	—	238	1,200	—	336	1,299	—	303	3,243	—	877
Totals ..	125,889	15,839	22,840	355,278	71,787	83,858	420,592	14,828	104,919	901,759	102,454	211,617

In addition to the above, 882 doz. Apricots and 824 doz. Peaches, of miscellaneous sizes, were exported to Canada.

CANNED FRUITS PROSPECTS.

Good prospects are ahead for the canned fruit industry, and there is generally a feeling of confidence among growers and canners.

Owing to the increased demand abroad, Australia found it necessary to ship a substantial quantity of "seconds" as domestic grade.

However, this is not all plain sailing, as the new Californian crop is at present being offered in Great Britain at low prices.

A good overseas demand is expected, however, for the coming season's pack of Australian canned fruit. It is understood that the various fruit canneries will operate freely in all types of fruit.

Last season many growers received £15 per ton for their Peaches, and despite the published minimum prices of £12 a ton, many growers have expressed the view that prices around the first mentioned figure will be offering this year.

Regarding local sales, there has been a falling off, due it is thought, to high local prices and lessened spending power on the part of the people. It is found that there is restriction of purchasing when Peaches sell to the public at 1/2 or 1/3 per tin.

With the amalgamation of the local selling organisation of the Kyabram and Ardmona canneries, much overhead expense has been saved. The canned fruit from these two canneries is sold in Australia by the Goulburn Valley Products Company, of which Mr. R. H. Gent is chairman of directors. Mr. Gent is also chairman of directors of the Kyabram Fruit Preserving Company.

CANNED FRUIT IN SOUTH AUSTRALIA.

Pears, Apricots and Peaches.

Nuricoopa (14/11/32).—The results of the canned Pear pool, which was formed last season to deal with the surplus of Pears in this district, have been very satisfactory, so far, and the scheme will be continued on a more extensive scale, and will include Apricots, and

Peaches. Arrangements are being made with the S.A. Fruitgrowers' Co-op. factory to process and pack the fruit. Reports on the quality of the fruit shipped to London have been most favorable.—A. B. Robin.

HENRY JONES CO-OPERATIVE LTD.

Improved Conditions in Jam and Canning Industry.

AT the annual meeting of the Henry Jones Co-operative Ltd., held on November 23, the chairman of directors, Mr. A. W. Palfreyman referred to the improved conditions in the canning and fruitgrowing industries. The company had been able to increase its rate of dividend from 6½ per cent. last year to 8½ per cent., which compared with an average rate of 8½ per cent. paid in the last five years. In addition, £45,925, a record sum, had been added to reserves.

"Conditions in this industry," continued Mr. Palfreyman, "for ourselves and for fruitgrowers were almost without hope two years ago. Exchange, the British preferential tariff, and the Ottawa Agreements have helped to improve matters considerably. The high exchange rate is only of value to us to enable us to export surplus stocks of canned fruit and jams. The benefit is not sufficient, however, to outweigh the added cost of landing tins and other essential imports. I am happy to be able to report an appreciation in the value of orchard properties. Eighteen months ago orchards were valued at the cost of the bare land—about £50 an acre—but now buyers have offered up to £100 an acre for good orchards in bearing. By comparison with conditions in the United States the industry in Australia is in a good position. The market price of cannery shares in the United States, on the basis of £1 shares, is about 2/- a share to-day, or even less. The companies are not paying dividends, the growers are practically ruined, and many must go out of production. Canning Peaches are almost unsaleable, and of the last crop a quantity equal to eight times the production of Australia was allowed to drop off the trees. The Peaches sold realised only £2 a ton, which would not cover the cost of picking. A few years ago the industry in the United States was flourishing, and the companies were paying good dividends. I mention this to show the wisdom of a conservative policy."

The retiring directors of the company, Messrs. T. A. Boyce and R. F. Walker, were re-elected.

NEW SEASON'S FRUIT PRICES.

The Fruit Industry Sugar Concession Committee met in Canberra on November 22 to fix the minimum prices that must be paid by manufacturers to the growers for certain varieties of the coming season's fresh fruit if the manufacturers desire to participate in the domestic sugar rebate provided for the benefit of the fruit industry by the sugar agreement. The Chairman of the Committee (Mr. A. R. Townsend) announced to-day that the Committee had fixed the following minimum prices for next season's fresh fruit.

Stone Fruits.	For jam.	For canning.
	Per ton.	Per ton.
	£	£
Apricots	8	12
Peaches	7	12
Pears	—	12
Plums	7	—
Quinces	7	—
	For jam.	For canning.
	Per lb.	Per lb.
Berry Fruits.	2½d.	3d.
Black Currants	1d.	1½d.
Gooseberries	1½d.	2½d.
Loganberries	2½d.	3d.
Raspberries	3d.	3½d.
Strawberries		

The prices for stone fruits apply to all States. Prices for berry fruits apply to all States except Victoria, in which prices for certain berry fruits were fixed separately by the Committee some weeks ago.

Manufacturers who buy at the fresh fruit markets will be required to pay not less than the full equivalent of the above minimum prices, plus the secondhand value, estimated at 6d., for each case.

FRUIT AND SUGAR INDUSTRIES.

Report by Fruit Industry Sugar Concession Committee.

THE SUM of £315,000 is entrusted to the Fruit Industry Sugar Concession Committee on behalf of the Australian canning and jam fruits industry, and the first annual report of this Committee was tabled in the House of Representatives on November 22.

A note of warning is sounded against the fruit industry having over-optimism arising out of the new British Preferences, and the revised sugar agreement.

The report continues:—"The preferences may be nullified in whole, or in part, by the return of exchange on London to normal, and/or the restoration of parity between sterling and the American dollar. The export assistance from the sugar industry, substantial though it proved to be last year, might not go very far in the event of prolific seasons. Furthermore, the new sugar agreement will expire in August, 1936, and there is no guarantee that the special fruit concessions, which have always been officially announced as temporary, will be continued on the same scale, or continued at all.

"It is to be hoped therefore that, regarding future production programmes, the industry will give due heed to its ability to obtain profitable and reasonably permanent markets.

"The Committee commends to the earnest consideration of all sections of the fruit industry concerned the great advisability of taking full advantage of the fortunate circumstances of the next few years by unremitting endeavors to achieve the maximum possible reductions in

overhead, production, and selling costs, and in all outside liabilities, and, where possible, to build up capital reserves to meet future emergencies."

During the year ended June 30, the Committee received £315,800, of which £90,000 was placed in the bank at fixed deposit. The main items of expenditure were:—Domestic sugar rebate, £171,687; export sugar rebate, £29,622; canned Pineapple export assistance, £3,132; jam export assistance, £1,003; pulp export assistance, £3,280; sales promotion and advertising, £2,000.

Berry Fruits.

Referring to berry fruits, the Committee stated that the outlook for processing was unpromising. On the local market the much lower prices of most jam fruits necessarily militated against the sale of berry jams. In the British market, which hitherto had been the chief overseas outlet for berry pulps, severe price competition was now met from British and European sources. Most careful consideration by growers was warranted before any increased production of berry fruits was contemplated.

Mr. B. J. Pearsall, chairman of the Tasmanian State Fruit Advisory Board, recently visited Queensland at the invitation of the Queensland Cane Growers' Council, and the Australian Sugar Producers' Association to inspect the sugar industry in that State.

In presenting a report to the Advisory Board, Mr. Pearsall said that while the sugar industry should be maintained and protected it should not be done to the detriment of the fruit industry, which was of great national and economic importance. Efforts should be made to reciprocate trade relations with Queensland. Wages paid in the sugar industry were too high. No other primary industry could afford to pay anything like these wages. He advocated that a new scale of reduced wages should be served on the union to assist in bringing down the cost of sugar to the Australian people.

The Australian Sugar Consumers' Association has protested against the new agreement as outlined by the Prime Minister, which in reducing the price by ½d. per lb., makes any further revision impossible for the next four years. The Association believes it is taking the long view on behalf of Australian users of sugar, the present agreement being only a temporary palliative.

Attention has been directed to the comments in the October "Fruit World" regarding the effect of the general reduction on the rebate to jam manufacturers. The position has now been clarified as it is now noted that with the revised rebate the price of sugar to jam manufacturers remains practically the same. The figures are as follows:—

Previous price	£36 11 9	New price	£32 10 9
Rebate	6 5 1	Rebate	2 4 0
Price to canners	30 6 8		30 6 9

Making a difference only of 1d. per ton.

The Fruit Industry Sugar Concession Committee is functioning helpfully on behalf of the several interests concerned. The Canned Fruits Control Board, in its recent annual report, made favorable comments on the operations of this Committee as follows:—The Committee has assisted the Board and exporters on the Cana-

dian market, and its operations to date have inspired confidence in both growers and canners. The Committee has functioned over one processing season only, i.e., that of 1932, but its influence during the season in question was such that growers were assured of obtaining reasonable prices for their fruits from canners, and the latter were enabled to handle all suitable supplies offering because they were guaranteed against loss on exports to their principal oversea market. A continuation of the Committee's operations along similar lines would benefit growers and canners alike, and would provide a reasonable measure of assurance that an outlet would be found for all fruit suitable for canning, at prices which were not unremunerative to producers.

SUGAR AND THE JAM INDUSTRY.

The Tasmanian Viewpoint.

With regard to the revised sugar agreement, the view point of the Tasmanian jam-making industry may be set out thus:—

While the real difference between the old and new price of sugar is only 1d. per ton,—there is, of course, less money available to assist the fruit industry than formerly—hence, the fact that jam makers are paying the same price, or 1d. more for sugar than formerly. On the other hand, the amount of £200,000 which is available for the Fruit Industry Sugar Concession Committee to assist the industry by way of special assistance to local consumption and export rebates on sugar going overseas, and also bounties on goods going overseas, remains the same as for the last two years.

The opinion is expressed that the price should have been reduced by at least 3d. per lb. to the processors, so as to encourage the use of fruit and sugar products in Australia. This would help not only the fruit man but the sugar man too. Sugar that is consumed in Australia brings £30 per ton, whereas sugar that goes overseas brings only £10 per ton to the sugar grower. The canner has more reason to be philosophical than the jam maker; canners use only a very small percentage of sugar in their products, and they get a very big per dozen bounty on the sale of their products overseas.

GOULBURN VALLEY.

Prospects.—Late Peaches good. Early Peaches light to medium. Pears: (Kyabram) Williams Bon Chretien, light; Packhams, Winter Nelis, good. Apricots patchy Troubled with brown rot.

CALIFORNIAN PEACHES AND PEARS.

The California Co-operative crop reporting service states that large quantities of Peaches were wasted. Canners' early summaries of the pack report about 6,450,000 cases canned. The preliminary estimate of production of canning Peaches is 368,000 tons; Freestone Peaches 216,000 tons.

Pears.—The forecast is 238,000 tons of Pears of all varieties. In 1931, the production was 218,000 tons, of which 15,000 tons were wasted; in 1930, 272,000 tons, of which 31,000 tons were wasted; and in 1929, 190,000 tons produced and all harvested.

The total United States forecast is 22,154,000 bushels compared to the 1931 crop of 23,346,000 bushels, the 1930 crop of 25,540,000, and the 1929 crop of 21,172,000 bushels.

SALES TAX EXEMPTIONS.

Canned Fruit, Jam and Fruit Pulp.

The Prime Minister announced in mid-November that further exemptions from the Sales Tax would include jam, fruit pulp, canned fruits, and canned vegetables, pickles, sauces and vinegar.

The Secretary of the Victorian Grocers' Association (Mr. H. J. Book) announces that as very many grocers are holding large stocks of canned fruit, jam, etc., which were purchased before the removal of the tax, it will be impossible to bring about an immediate general reduction in prices. He did not think that a general reduction in retail prices could be expected until about February.

CANNED FRUITS CONTROL BOARD.

The Minister of Commerce has announced to-day (November 15), that Messrs. A. W. Fairley and T. L. Stafford had been re-elected to the Canned Fruits Control Board for two years.

CODLIN MOTH CONTROL.

Chemically Treated Bandages recommended in South Australia.

Mr. C. H. Beaumont (District Horticultural Instructor) states that bandages are recommended as an aid to the usual spray programme for the control of codlin moth. The bandages are treated chemically so that there is no necessity for examination during the season. The larvae which shelter under them are killed by the solution used in the preparation of the bandages. Corrugated bands properly prepared are now available, and a 2 in. band seems just as efficient as a wider one. It is said that 1,000 grubs may be killed by one band. The United States Bureau of Entomology have had the matter in hand, and the system is also being tried in Victoria.—"S.A. Journal of Agriculture."

WOMEN MOTORISTS.

Free Booklet Gives Driving Hints.

The Vacuum Oil Company's new booklet entitled "Let's Drive Better Than Men," written by a woman, contains valuable information which will help all women motorists to become more efficient drivers. It has a distinctly feminine touch . . . is printed in three colors, and edged with bands of green, mauve, and cyclamen—equally becoming in milady's boudoir, or in the pocket of her car. Many of the forty-eight delicately printed pages contain helpful illustrations. No woman motorist should be without a free copy, which may be obtained by writing to the Vacuum Oil Company, Melbourne, Sydney, Brisbane, Adelaide, Launceston, Hobart or Perth. It deals with a wide variety of subjects, from necessity of saving your car's enamel complexion to the advisability of winning a smile from the traffic policeman.

It would be advisable to write for your copy immediately as stocks are becoming rapidly depleted.

Judge: "Haven't I seen you before somewhere?"

Defendant: Surely, I gave your daughter singing lessons.

Judge: "Twenty years."

Dried Fruits Industry.

Meeting of Federal Council of A.D.F.A.

Frost Prevention and Insurance Discussed.

THE TENTH ANNUAL CONFERENCE of the Australian Dried Fruits Association's Federal Council was held at the Commercial Travellers' Association on November 22 and 23. Delegates were present from Victoria, New South Wales and South Australia.

Mr. A. L. Johnstone, of Irymple, was appointed Chairman, and on his motion the conference expressed, on behalf of the industry, its deep sympathy with Mr. W. C. F. Thomas, Chairman of the Export Control Board, in his recent bereavement.

It was resolved, on a motion from the South Australian Conference, that rule No. 23 be altered by adding "in whose district the growers reside" after the words "district executive" in the last line. Other motions carried were:—

"That the board of management make further inquiries in respect to insurance against frost, and to ascertain if such is possible on a district group, or any other basis, and that it be a recommendation to district branches to stimulate inquiry and experiment along preventive lines in the districts most susceptible."

"That this Council recommends the board of management to confer with the Commonwealth Council for Scientific and Industrial Research, with a view to collecting all possible information in respect to frost danger, and to make the information available to branches."

An exhaustive discussion took place on a motion, having for its objective the placing of all proceeds from the sale of fruit in trust accounts and on a related proposal regarding the legal ownership of unsold fruit placed in the possession of a packing shed and the growers' position with regard to undistributed fruit money in the hands of a packer or agent. The following motion was carried:—

"This State conference requests the Federal Council to direct the board of management to ascertain the legal ownership, if any, of a grower in the unsold fruit delivered by him to a packing shed, and the growers' position with regard to undistributed moneys which are the proceeds of sold fruit in the hands of the packing shed or its agents, or any other handling such fruit or moneys, in the event of business failure of such holder. In the event of the legal ruling being against full ownership by the grower, then the board of management to take the necessary steps to secure to the grower the full legal ownership in his own fruit, until the grower has received the proceeds of the sale of such fruit."

A motion to have all moneys from the sale of fruit placed in trust funds was negatived.

At the second day's session, resolutions were carried in favor of branches receiving information concerning tonnages packed in each grade by all A.D.F.A. sheds in their respective districts and that branches and groups be advised of the number of packing sheds packing under the pool pack system, also a list of all sheds and agents who did not render final account sales according to A.D.F.A. pool pack regulations.

The Minister in charge of Sales Tax administration was urged to reconsider his refusal to grant immunity from Sales Tax of the list of essentials in processing fruit.

The setting up of a Committee of Reference was recommended to secure uniformity of practices, correction of anomalies and settling of disagreements re pro-

cessing, packing and grading, such Committee to comprise representatives of the Government, selling, growing and packing interests.

There was a long discussion on the resolution that shed classers be examined for ability to class fruit, efficient classers to be granted a certificate by the Department of Commerce. The motion was withdrawn on the Victorian delegates agreeing to draft a motion for submission to the Board of Management.

Reports on organising and publicity were received with appreciation. Whereas other commodities had suffered reduced consumption the Commonwealth dried fruit sales had increased.

It was noted that Canada had taken 15,000 tons this season; prior to reciprocal treaty less than 600 tons yearly had been sold in Canada. Satisfaction was expressed that the Ottawa Conference had confirmed the preferential duties and had made such an extension of sales possible.

Mr. A. V. Lyon, M.Agr.Sc., gave an appreciated lecture on experiments in connection with the control of salt and cultural treatment of vines to produce more and better fruit.

The Conference met again on the third day—November 24—a resolution was adopted recommending the Board of Management to devise means to recompense the grower of "cored Pears" for the additional cost incurred in "coring."

A motion to send a representative annually to New Zealand with a full range of samples to interview traders, etc., was lost. It was explained that the present methods of trade had increased the sales tonnage in five years from 500 tons to 3,500 tons last year, and that market absorbed only 4,500 tons altogether.

The following motions were also carried:—

"That it be a recommendation to the board of management that it be mandatory for sheds on a pool-pack basis to issue account sales in a net sweat box weight, and that the present clause allowing exemptions be withdrawn."

"That each delivery docket issued by packing sheds be signed by the classer as to grade. That packers shall render final account sales in the grades as shown on the delivery docket. In the event of a dispute as to grade, any alteration made must be initialled by the shed door classer, and final account sales issued on the corrected docket. In the event of regrading, advice must be given to the grower within seven days of delivery."

That the board of management investigate the possibility of agents handling individual growers' fruit, or combined shed packs, and accounting direct to growers therefore, rendering to growers on received weight instead of packed weights."

"That the Federal Council wishes to place on record its appreciation of the work done in the United Kingdom and Canada by the Australian publicity officer, Mr. A. E. Hyland, and his assistant, Mr. Barnes."

It was decided to display in suitable containers at all shed doors receiving growers' fruit, a full range of legibly marked official samples of stemmed dried Sultanias, showing grade representation, such samples to be issued by grade-fixing committee yearly, and classifications at shed door to be in accordance with these samples.

The four retiring members of the board of management, Messrs. J. B. Murdoch, P. Malloch, P. H. Rutledge and J. Gordon were re-elected unopposed.

Control of Prunes.

It was decided to authorise the board of management to arrange special conditions and rules for the processing and marketing of Prunes; any new agents to deposit a bond of £50. Agents' commission not to exceed 5 per cent. on invoice price, less trade and cash discount and cost of interstate or overseas delivery.

AUSTRALIAN DRIED FRUITS.

Sales in United Kingdom.

The Commonwealth Dried Fruits Export Control Board is in receipt of advice from its London Agency that during the fortnight ending November 17, 1,355 tons of Australian Dried Fruits valued at £50,426, were placed in Great Britain, according to details of sales recorded with the Agency.

1,110 tons of Sultanias averaged £38/8/1 per ton, and 235 tons of Currants averaged £31/17/- per ton.

528,000 ACRES OF GRAPES.

California's Huge Production.

There were in 1930 528,093 acres of grapes in California. Raisin varieties accounted for 348,459 acres; table varieties 98,408 acres and wine varieties 179,977 acres.

The total production of Grapes for the year is given as 2,150,103 tons. Of this 1,246,687 tons were Raisin varieties; 426,590 tons table varieties, and 475,378 tons were wine varieties.

These figures were compiled by S. W. Shear, and are included in a voluminous summary issued by the Giannini Foundation.—"Pacific Rural Press."

PORT OF LONDON EXPORT CHARGES REVISED.

Many Reduced Rates.

The Port of London Authority, recognising that British exporters need every assistance and encouragement possible, have issued a revised schedule of export charges on goods for shipment overseas. In many instances rates have been reduced and the schedule has been greatly simplified.

In place of the former classification system the applicable net rate is clearly shown against each item in the alphabetically arranged schedule. Variation of rates in respect of the same commodity in alternative forms of packing (i.e., cases or drums) has been abolished as far as practicable and all rates are now on a tonnage basis, the previous system of charging some descriptions of goods on measurement or package basis having been dispensed with.

A feature of the new schedule is the provision for large consignments to receive substantial reduction on the standard tonnage rates.

The revised schedule applies to goods tendered for shipment at the Port of London Authority's docks and the Tilbury Cargo Jetty. To facilitate handling on arrival at the docks consignors will in future be required to lodge separate shipping notes in respect of consignments to each port irrespective of whether or not two or more consignments are for conveyance by the same ship.

"FRUIT WORLD" APPRECIATED.

"H.J.P.", Karragullen, W.A., writes;—"We enjoy reading the 'Fruit World'."

NUT CULTURE.

WRITING on the subject of nut culture, Messrs. C. A. Nobelius & Sons Pty. Ltd., of Emerald, Vic., state as follows:—

We are pleased to learn that new interest is being taken in nut culture, and that the Australian Nut Association has been founded. There has been very little business in nut trees for many years, practically nothing in Hazel or Filberts, a few Chestnuts and Walnuts have been planted in some N.S.W. districts. Before planting nuts it is very essential that the district where one anticipates planting is proved suitable; all this class of plant requires a cool climate with a good rainfall, and the soil must be deep and rich.

The Hazel Nut or Filbert

is propagated from layers and the trees grow anything from 8 to 12 ft. They are very often planted in bunches or used for hedges to form breakwinds; these are allowed to sucker and become quite thick. The best method is to plant single trees in orchard form about 10 to 14 ft. apart and prune them to a bushy tree. In suitable country they will commence bearing in three or four years. The best varieties to plant are Du Piemont, De Provence, Merville de Bolwillier, followed by the Webbs' Prize varieties, such as Cobb, Exhibition, Daviana, Red Skin, White Skin, and Cosford.

Walnut Culture.

Re Walnuts—quite 99 per cent. of the Walnuts grown in Australia are raised from seed. This is certainly not the best method, but it is only recently that the correct stocks have been produced for grafting the varieties with any success at all. By grafted plants the grower will obtain a more even crop of better nuts, and the trees will come into bearing much earlier; against this, one has to consider the outlay. In grafted plants there will always be a very limited supply at never less than 5/- to 7/6 each, £25 per 100, against seedlings at 2/- each, £7/10/- per 100. In planting Walnuts, they should be at least 40 ft. apart. They require little pruning, but must be kept well cultivated. The varieties we are planting are Mayette, English, Concord, Franquette, Favorite de Dya, and Dwarf Prolific. New varieties are Freshford Gem, Kelvin, and Wilson's Wonder. The Japanese Walnut is grown more for an ornamental tree; it bears great clusters of nuts with a very hard shell and of poor quality.

The Chestnut is another that is grown from seed, and like the Walnut could be improved on by grafting. These also require to be planted about 40 ft. apart, as they make a very fine tree and are useful for farmers as shade trees, besides the wealth of nuts that they produce. There are only a few varieties, viz.:—Parry's Giant, Mammoth, and Spanish.

SCHOOLBOY HOWLERS.

People go to Africa to hunt rhinostiches.

Ali Baba means being away when the crime was committed.

A deacon is a mass of inflammable material placed in a prominent position to warn the people.

A litre is a nest of young puppies.

Letters in sloping type are in hysterics.

An active verb shows action, and a passive verb shows passion.

Matrimony is a place where souls suffer for a time on account of their sins.

Job had one trouble after another. He lost all his cattle and all his children and then he had to go and live lone with his wife in the desert.

Our Correspondence Columns.

(The Editor accepts no responsibility for the views expressed.)

Letters Welcome.

ADVERTISING LEVY.

(To the Editor, "Fruit World.")

Sir,—Like his preceding rodomontades, Mr. Parnham's latest farrago, published in your November issue, leads nowhere. He cannot distinguish causes from effects, nor separate facts from fancies, or principles from personalities.

He has expatiated on my actions with overwhelming impertinence. As a member of the V.F.M.A. Committee he could express his views in regard to that body, but he has no right to ramble about my actions elsewhere. I have never acted for the V.F.M.A. at any meeting of the Executive of the A. and P. Council, so that propriety dictates to him that the only people who could object (but do not) are those for whom I acted.

Although I have fully replied to his rechauffe hearsay comments, he continues to hurl his misleading and mischievous denunciations, intending to create the impression that I was actuated by sinister motives. His diatribes fill one with disgust.

Referring to my having the audacity to nominate someone other than Mr. Parnham's nominee, and to his desire for information, I respectfully submit your paper is not the proper medium to deal with such matters. The facts are ascertainable in a constitutional manner, but as there is no provision in the Constitution to deal with nominations of delegates to be sent anywhere, it was competent for anyone to nominate anyone, even if they had not offered their services, exactly as was the case with the other nominations. However, why confine his irascibility to my nomination, which was made to minimise costs to growers and overcome any doubt as to the propriety of using the advertising fund.

Mr. Parnham has made some surprisingly irresponsible statements, but his saying I was 'phoned regarding the nomination of Mr. Mills passes my comprehension. I emphatically deny that Mr. Parnham or anyone else 'phoned or advised me in any manner whatsoever; nor was Mr. J. W. Bailey, another member of the Council, advised either, until we came to a Committee meeting on April 29. Nor, I repeat, has Mr. Bailey or myself, to this date, received copy of the telegram, although we then, and have since, asked for it. I had to secure a copy from a member of the Council in another State, who posted me the notice sent him by the Secretary, and it is noteworthy that, although the telegram was received in Melbourne on April 14, the notice is dated April 20. This is not the only occurrence, because on another occasion I was myself only notified of an important matter nine days after other members.

It is illuminating to have Mr. Parnham classify as "entertaining" the correct procedure followed by well-conducted and regulated organisations. If Mr. Parnham prefers "Rafferty Rules," I must part company. It is curious, however, that while others recorded similar objections, Mr. Parnham reserves his displeasure for me.

I had exchanged correspondence with the Council Secretary between May 3 and 23, with the view to clarifying, and taking exception to, certain matters. The Secretary wrote that my correspondence would be placed

before the Executive on May 25, but, to my amazement, although my letters were not read, a letter was read from another member, and the surprising thing is that this letter dealt with one of my (unread) letters. This procedure was so farcical that I did not even trouble to protest—intending to deal with the position in full conference later. It must be remembered that, for some reason, and against my vote and Mr. Bailey's, proceedings were held in camera. I have served on Committees in various parts of the world, but, happily, have never had such experiences.

Mr. Parnham loses all sense of perspective, proportion and direction when he objects to the S.A.F.M.A. or my wanting to ascertain our position, as part trustees, in whatever manner we thought desirable. Why, however, confine his fulminations to some, when others acted similarly?

He has never been present at any meeting of the Executive of the Council, and knows nothing of what transpired, except such version as he wished to collect in such quarters as he has selected. As he has not asked me, or others, for information, one can only think he prefers polemics to facts.

With his usual irresponsibility, he says I voted for the Inspection Levy in September, 1931. The levy was agreed in August by the Executive of the Council, and I did not vote for it because I was not a member of the Executive and was not present.

Mr. Parnham says he has failed to find a solitary individual who did not realise that 1/16d. was reserved to send a delegate to Ottawa. He must have been emulating Diogenes; had he come out of his barrel with a more powerful light than his one-candle power, he would have found many. One quotation will suffice:

Mr. G. W. Brown acted for Victorian growers, and for other States at the Executive meeting of January 6. Mr. Brown was also present at a V.F.M.A. Committee meeting on April 29, when the question of sending a delegate was discussed. The press recorded the following:

"Mr. G. W. Brown said a delegate (to Ottawa) should not be sent, even if he were recognised officially. Many industries would be unofficially represented, and the delegation was growing larger and larger. It might develop into a dog fight."

With his characteristic recklessness, Mr. Parnham repeats his unfounded assertion that I carried on a "vigorous press publicity campaign." I said what I had to say, when Mr. Parnham permitted, at Committee meetings. The press reported the views I expressed at such meetings, at which Mr. Parnham and his friends allowed reporters to be present, but I deny having written any letter to any paper until I replied to Mr. Parnham and Mr. Mellor when they attacked me on subjects of which they knew little.

It is regrettable that a particular nominee was named when a section suggested that a delegate should go, and it was a greater pity that the telegram was sent direct to some members of the Council. The proper procedure was for one telegram to be sent the Secretary who would merely have asked the various Council sections whether they agreed that a delegate should go, and, if so, to send nominations. I was not, however, responsible for the procedure followed, and I would have been recreant to my duties, if, because a particular name was mentioned, I had acquiesced dumbly to actions that I considered irregular.

As stated, Mr. Parnham has no right to object to any of my actions when I was acting under the jurisdiction of other people. As for my resignation from the V.F.M.A.

Committee, he knows I resigned because it is unconstitutional for them to direct how moneys over which they have no control shall be expended. If Mr. Parnham maintains they are empowered to deal with such moneys, let him quote from the constitution.

Neither does the constitution of the Council empower its members to use the advertising fund for any other purpose. If Mr. Parnham disagrees, let him quote from the constitution. Moreover, its composition is not fitted for the purpose. It consists of nine shippers and nine growers, plus one combined vote, but whilst growers contribute the bulk of the levy, shippers pay little. In fact, shippers pay far less than growers or overseas receivers.

The position created by, and after, the meeting of the Executive of the Council on May 25 was extraordinary. The constitution of the Council says that unless separate majorities of the growers and of the shippers be recorded in the affirmative, the motion shall have been deemed to be decided in the negative. The press reports of the meeting of May 31 of the Tasmanian Growers' Section of the Council recorded that the section had not previously met to discuss the sending of a delegate to Ottawa, or instructed their representatives on the Council how they should vote, and that a resolution was then passed dissociating themselves from Mr. Mills' nomination. An analysis of the voting at the meeting of the Executive of the Council then clearly showed that, as a result of this resolution, it could not be said that a majority of the growers agreed with the shippers, so that the relevant decisions of the Council had been invalidated.

Seeing that Tasmania shipped 63 per cent. of the exports from Australia, and that the growers pay the bulk of the levy, it is ridiculous for Mr. Parnham to say I am out of step with the majority, when actually his own boots are on the wrong feet and do not permit him to keep in step with the majority.

I have all along believed, for reasons explained, that it is illegal and unconstitutional to use the advertising levy for any other purpose, and I was not prepared, as a trustee, to be made a party to what I consider to be an improper action, when majority votes, which I hold to be wrong, decided otherwise, but the resolution of the Tasmanian growers invalidating the decision of the Council clearly showed the position was irregular and untenable.

These facts were quite sufficient to entail my resignation, but when at the Executive meeting a delegate stated that, although he believed the action was legal and constitutional, even if it were not he would still vote for the advertising fund to be used, it is plain I would have done violence to my belief had I acted otherwise, and it is impudent for Mr. Parnham to hurl invectives at me from his secluded fastness.

Despite the prattling of a few, no one has yet produced legal evidence to upset the advice I submitted, that it is illegal to use the advertising levy for any other purpose than originally intended.

I pass over in silence Mr. Parnham's insistence that Mr. Mills and Mr. Brown be given equal thanks with myself for the preparation of our case at Ottawa.

If it be true that Mr. Parnham genuinely desires to elucidate facts, I shall be pleased to discuss the matter fully in conference, preferably under a disinterested chairman and secretary, and provided Mr. Parnham undertakes not to repeat his previous offence in Committee of preventing me from speaking.

On May 6 I wrote to the Secretary, expressing doubts that the advertising fund could be used, and offered a voluntary contribution, but, for some reason, the idea was not entertained. This was regrettable, because other

friends' contributions would have brought the amount to over £100 towards the required £500 or so. Had Mr. Parnham and his friends found equal contributions, the balance could easily have been obtained.

However, having resigned, why this continued vehemence, seeing that Mr. Parnham will now be able to fashion more to his own and his confreres' liking the Association which, despite much opposition, I initiated and brought to fruition?

Yours faithfully,

H. G. COLOMBIE.

Melbourne, 18/11/32.

A letter is to hand from "Perplexed Subscriber," seeking certain technical information. This letter did not give the name and address of the sender.

It is unusual for us to acknowledge anonymous letters.

Letters from readers are welcome, and such letters can be published under a nom de plume if desired. But the name and address of the sender must always be sent as a guarantee of good faith.

Walnut Culture.—The Secretary, Longwood (S. Aust.) Agricultural Bureau, writes regarding the growing of Walnuts:—

Reply (by Geo. Quinn, Chief Horticultural Instructor, S. Aust.). Walnut trees, like all other deciduous types, are transplanted when bare of leaves in the winter. Named sorts are propagated by budding them on to seedlings raised from the nuts. Whilst ordinary Persian Walnut seedlings make fair stocks, the Californian Black Walnut is considered a more hardy stock, and is said to assist in lessening the ravages of the Walnut bacterial blight. The best named sorts are Franquette, Wilson's Wonder, Mayette, and La Parisienne, together with one or more locally raised soft-shelled types. Mr. L. J. Wicks, nurseryman, of Highbury, has had very considerable success in raising these grafted trees.

The bugbear of Walnut growing is the "black spot," a form of bacterial disease which destroys the greater part of the Walnut fruits grown in this and most other countries. The disease attacks the green fruits and the young terminal points of the shoots. It penetrates the growing nut and destroys the kernel, leaving it a dried-up, black, tough mass. In California, it is claimed of late years that spraying freely with Bordeaux mixture, just as the male flowers begin to extend and before the young Walnut fruits are showing on the new shoot tips, the disease can be greatly reduced.

Ordinary types of Walnuts with hard shells can be raised direct from the nuts. These usually begin to bear nuts when from three to eight years old, but the nuts from seedlings are usually very irregular in size and shape.—"S. Aust. Journal of Agriculture."

APPRECIATION FROM W.A.

The Editor, "Fruit World."

Dear Sir,—

I am pleased with your valuable paper as it takes up the various interests of the fruitgrower wisely and fairly, and I believe if you keep up your determined interest in the matter of freight, exports, cool storage, opening up Eastern markets and research work, that the ultimate results will benefit our fruit industry, for it is a great one, and worthy of more consideration by our Governments.—(Signed) "G.H.P.", Bickley, W.A.

Nothing great was ever achieved without enthusiasm.—Emerson.

The Coming Season's Crop Prospects.

VICTORIAN CROP PROSPECTS.

Irregular Crops.

APPL E AND PEAR CROPS are likely to be above the average, according to a report issued on November 11 by the Victorian Department of Agriculture. Dunn's have set irregularly all over the State, and Jonathans are setting irregularly, also W.B.C. Pears.

The Apricot crop is also irregular, though there is promise of a good crop. Estimates are for 35 per cent. in the Mornington Peninsula and 70 per cent. to 75 per cent. in the Goulburn Valley. The crop in several districts has been reduced by brown rot.

The Cherry crop will be very good, also Plums.

Peaches.—Late canning varieties are setting a heavy crop. Early varieties are irregular. Thrips were present in all districts, but in very small numbers.

Despite the early bud burst, vines in the north-east are very backward, but showing excellent promise of fruit and very healthy, except for erinose, which is more abundant than usual. The rains have been too cold for fungus development. Late blossom seems probable. In Mildura shire the vines look well, though rather backward. In Swan Hill shire, though frost was escaped, the bud burst was rather more erratic than at Mildura, with a good many backward sprouts.

Citrus Fruits.

Blossoming has been particularly heavy in most citrus districts, and although it is early yet to forecast crop prospects, indications are for a crop slightly above the average.

Harvesting of Valencias has been delayed owing to the large quantities of late Navels yet to be picked. The navels, however, are now past their prime, and the demand for Valencias shows signs of increasing.

The septoria spot in Valencias has been found practically in all districts now, and in a large number of orchards. Growers experiencing this fungus disease on their Oranges or Lemons are strongly recommended to apply a Bordeaux oil spray during April or May.

Harcourt (22/11/32).—At present everything seems shaping for a good crop. Very little black spot is in evidence on the fruit, and the climatic conditions have been adverse to the development of the codlin moth. A limited number of moths have been caught in the lures, but there is as yet no sign of damage to the fruit.

Upwards of £3,000 has been spent by the Water Commission in improving and cleaning the water channels to enable an adequate supply of water to be obtained by all growers.

The Apple crop is about 80 per cent. of a full crop. Where cross-fertilisation has not been provided, Dunn's are inclined to be light, but elsewhere a good crop prevails. Other varieties, such as Cleopatra, Jonathan, Rome Beauty, Stone Pippin, Rymer, London Pippin, Delicious, have all good crops.

Pears.—Winter Nelis has set a fair crop, and other varieties are good, though shedding of the fruit was greater this year than normal. Plums and Cherries both show good crops.—Jas. H. Lang.

Somerville (23/11/32).—Messrs. John Brunning & Sons, fruitgrowers and nurserymen, report as follows:—Pears and Apples are showing for a good crop; Plums (in some

varieties like Grand Duke), were affected by the fogs, which upset the setting in that variety.

The new cool store was a great success—the fruit kept in splendid order, finishing the last on November 22. The Apple variety, Yapeen, from six-year-old trees being perfect to that date.

ORCHARD RESEARCH WORK.

Compensation Fund Launched to Repay Losses.

The Doncaster Fruitgrowers' Association, in co-operation with the Southern (Victoria) Fruitgrowers' Association, has launched a campaign to raise a compensation fund to repay growers who suffer losses by reason of permitting experiments on their orchards in the work of investigating brown rot on Peaches, Pear scab on Pears and black spot on Apples. Subscriptions can be sent to Mr. J. W. Aspinall, Secretary, Southern Fruitgrowers' Association, 2 Bishop-street, Box Hill, or Mr. C. Bull, Secretary, Doncaster Fruitgrowers' Association, Doncaster.

THRIPS INVESTIGATION LEAGUE.

Active Research Work Now in Hand.

THE THREE-YEAR PROGRAMME for Thrips Investigation, is now in operation under the auspices of the Council for Scientific and Industrial Research, in co-operation with the Waite Agricultural Research Institute, Adelaide, and the Departments of Agriculture in the several States, all of whom are assisting through their staffs and equipment.

To provide for some additional indispensable services, the Thrips Investigation League has set about raising funds. A full-time field entomologist is needed, also some soil testing tanks and other equipment.

Contributions are to hand from all of the Australian States: but additional funds are required and will be gladly received by the Secretary, Thrips Investigation League, Box 1944, G.P.O., Melbourne.

The amounts received since the last acknowledgment, are as follows:—

Toomuc Valley Orchards Pty. Ltd., £2/2/-; Healesville Horticultural Society, 10/6; Committee of Direction of Fruit Marketing (Queensland), £10; Australian Glass Manufacturers Co. Ltd., £5; Myer Emporium Ltd., £10/10/-; Melbourne City Council, £25; Dandenong Horticultural Society, 10/6; Shire of Mornington, £1; William Crosby & Co., £10; Jas. Patrick & Co., £1/1/-; Dalgety & Co. Ltd., £5/5/-; Peninsula Co-op. Fruitgrowers' Association Ltd., £3/10/-; Charlton Horticultural Society, 10/6; Royal Horticultural Society, £1/1/-; Brighton Horticultural Society, 10/6; Orchardists' Cool Stores (Doncaster), £5/5/-; Dunlop Perdiar Rubber Co. Ltd., £5/5/-; Nicholas Pty. Ltd., £5/5/-; Jaques Pty. Ltd., £5/5/-; Blyth Chemicals Ltd., £5/5/-; Vacuum Oil Co. Pty. Ltd., £20; Shell Co. of Australia Ltd., £20; Commonwealth Bank, £400; Atlantic Union Oil Co. Ltd., £10; W. Angliss & Co. Pty. Ltd., £1/1/-; Northern Timber Mills, £1/1/-; Quantong Fruitgrowers, £5; W.A. Fruitgrowers' Association, £1/10/-; N.S.W. Association of Nurserymen, £5/0/8; Australian Jam Co. Pty. Ltd. (N.S.W.), £10; Jas. Patrick (N.S.W.), £3/3/-; Australian Fruit and Produce Co. Ltd. (N.S.W.), £5/5/-; Huddart Parker Ltd. (N.S.W.), £3/3/-.

The League has promises for additional amounts.

VICTORIA.

Doncaster.—The anticipated record crop will not be realised. Peaches and Plums—which blossomed heavily and set well have thinned out considerably. In many orchards Peaches are affected with curly leaf and black and green aphids. The cold weather, with $4\frac{1}{2}$ inches of rain in October, caused the fruit to pinch out after a good set.

Big Crop of Pears.

Pears, which form the bulk of Doncaster's fruit crop, are doing better than earlier fruits, and a prolific crop is assured, particularly Beurre Boscs. Howells and Packhams are somewhat lighter, but the rains should bring them on, and a lighter set will be compensated by larger fruit. Unfortunately black spot is prevalent, where rain interfered with spraying.

Apples are satisfactory. Jonathans and Gravensteins look like being heavy. A medium crop of London Pippin and Rome Beauty is anticipated.

Bunyip.—Mr. Fred Thomas, M.A., of Bunyip, advises as follows under date November 20:—Re district fruit crops. The rain in October kept the bees at home, and crops are thin and irregular wherever cross pollination was not possible. This is particularly noticeable among the Jonathans, our most important Apple. Delicious and Yates are in most cases very light, though some fair crops are reported. Later varieties such as Rome Beauty and London Pippin are disappointing, many Apples that appeared to have set, falling during the last week.

Pears set heavily, but thinned out more than was expected, leaving a crop rather light. Black spot has affected the foliage of many trees, and the growers whose spraying programme was spoilt by the rain find many of their Apples affected. It is certain that crops will be far lighter than was expected.

UNITED BERRY GROWERS' ASSOCIATION.

Marketing Policy.

The United Berry Growers' Association's factory has contracted with its growers to supply it with 150 tons of Strawberries and 50 tons of Loganberries, which will be purchased at 4d. and 2½d. a lb. respectively. The production of Strawberries by the growers above those figures will be marketed direct to the consumer by canvassers in the suburbs at a retail price of 5/6 a dozen lbs., and an agreement has also been entered into between the Association and the Railways Department, whereby station-masters and staffs at country stations will act as agents in disposing of the berries. Freight and other charges have been granted certain concessions, so that the distribution of the berries will be as widespread as possible.

However, the cold weather has delayed the peak period of production of the berry crops.

The United Berry Growers' Association has a membership of 75 per cent. of growers in the district. Research work on the thrips is being conducted under the auspices of this Association.

BERRY FRUITS.

Distribution Through Housewives Association.

The Housewives' Association Ltd. (Mrs. Thomas, President) has arranged for supplies of Strawberries to be made available at 6/6 a dozen lb., and Loganberries at

5/6 a dozen lb., delivered in special crates to any suburb of Melbourne. A container has been invented by growers in the Wandin district for the packing of these fruits, and consists of a small crate in which three layers of four punnets (holding 12 lb. in all) are placed. Each layer is separated by a slab of deal, which prevents the fruit from crushing. Orders, accompanied by the money, should be sent to the Secretary of the Association, Howey-court, 234 Collins-street, Melbourne.

Lilydale (24/11/32).—A ready market is being found for the Strawberry crop, most of this being purchased by the jam factories. In the Wandin area the crops are disappointing. For some unknown reason the plants are wilting and the growth of the berries is retarded, the fruit ripening before it has reached a marketable size.

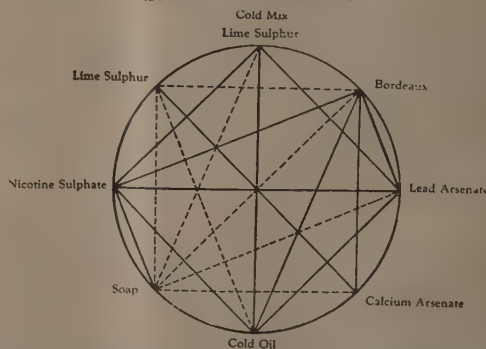
Silvan (24/11/32).—In the Silvan district, Strawberry-picking is in full swing and a heavy crop is expected. Wilson's Pride and Melba are bearing well, and should give heavy yields later in the season. The demand at present is fairly keen and growers are feeling optimistic.

Werribee (21/11/32).—Prospects indicate a bright fruit season. Apricot trees have had a heavy setting of fruit, and Apples have also set well. Pears will yield a moderate crop, but Quinces will be light this year. Picking is expected to begin the first week in January. Trees are now being irrigated and a spell of warm weather is required to fill out and ripen the fruit. It has been noted that the crop is very free of disease, the majority of crops being exceptionally good.

Horsham (22/11/32).—Apples and Pears have set well, thinning out being necessary in some cases. Heavy yields of Tomatoes are indicated, and some areas of Onions are particularly good.

Nanneella (22/11/32).—Orange and Lemon groves are looking well. Indications point to a good setting for next year's crop. The crop of Navel Oranges has nearly all been gathered and Valencia Oranges are now being picked by some growers. Growers have not found the prices very satisfactory. Many Lemons are being sent to the factory for peel owing to their having been badly frosted. Irrigating has been commenced.

SPRAYING GUIDE.



The ruled dotted lines denote sprays which will mix together. The dotted lines indicate sprays which should not be mixed.

He: "I always laugh when I see anything funny."
She: "You must enjoy yourself when you shave."

New South Wales.

MURRUMBIDGEE IRRIGATION AREAS.

Fruit Crop Prospects.

(By a Special Correspondent.)

THE FRUIT CROP PROSPECTS in general are very pleasing, and although during October several slight frosts were in evidence, the general damage has not been severe.

In some parts of Yenda, Lake View and Ballingal districts, however, the damage by frost to vines was more severe than in other parts of the area, and in a few exceptional cases fully 50 per cent. of the crop that was showing in the flower buds was cut.

The damage, however, is not to be compared with that done by frosts on the Murray River Settlements, from reports received.

A general summary of the prospects for the coming season are as follows:—

Apricots.—General light to moderate crops, with a few exceptional heavy crops of Trevatt, which is a fairly strong growing tree.

Peaches.—Pul'ars, Golden Queen, principally grown for canning, and it is understood from reports received that the Irrigation Commission are prepared to buy all that are offering at a very good figure. The crop generally is heavy, but in the early winter curl leaf was very prevalent and almost defoliated the trees, in many farms. The warm weather, however, caused a fairly quick growth, and many recovered.

The final crop of all varieties should be fairly heavy.

Green aphid very little in evidence, but an interesting fact is noted, that is, where certain trees were sprayed with a tar-distillate spray during the winter, that the curl leaf was held in check for a considerable time? This was most noticeable against farms alongside which had not been so sprayed.

The tar distillate spray seems to have been very effective in the control of green aphid in killing the eggs. It is not claimed, however, that the tar solution is a completely effective check to this disease of leaf curl, but it seems to prevent a sudden outbreak early in the season, and although the disease has appeared later on the leaves, the new growth has got away to such an extent that the trees have not suffered to the same extent as others on which this spray has not been used.

The winter spray with Bordeaux mixture, however, seems to be the most effectual check to this very severe menace of the Peach industry.

Apples.—Principal variety is Granny Smith, with a few Cleos., Jonathans and Delicious for pollinators, crop is exceptionally heavy.

Growers are generally very keen about spraying for codlin moth, and are co-operating with the Inspectors in order to combat this menace. The results last season were very satisfactory, and in spite of a light crop, the moth was kept well under control.

While the bandaging of the trees is not now compulsory, many growers are firm believers in this practice, and are continuing the bandaging. For the control of codlin moth, the first two sprays are of arsenate of lead alone, but the subsequent sprays contain an admixture of white oil, which has been found very effective in killing any late eggs laid on the fruit or foliage.

Pears.—Medium to heavy crops; principal varieties, Williams and Packham's Triumph.

Quinces.—Old trees heavily loaded; and the area under this fruit has been increased since the reclassification of

some of the farms. The Quince seems to do remarkably well on the lower lying and somewhat wetter land, and is a hardy tree. The fruit is bought by the canneries, and last year exceptionally good prices were realised by some growers.

Prunes.—Generally a very fair crop, but Robe de Sargent are not carrying as large crops as the Prune D'Agen, but the fruit in both cases is likely to be of exceptionally good quality and size.

Angelina Burdett Plums, many of which are planted as pollinators for the Robes, are carrying a very fine crop in most cases.

Where the pollinators are not so heavily interplanted, the crop is irregular, and showed in the early part of the season the uneven setting of the fruit, which is associated with want of cross fertilisation.

The few large fruits were well formed, while numbers of very much smaller fruit set, but failed to mature, and there was a heavy fall.

Citrus.—Washington Navels appear to have set heavily, and the blossoming was exceptionally heavy.

On the 13th of the month, about 90 points of rain fell and this should materially assist in the setting of the fruit, as the weather was warm and had the rain not come when it did, there would probably have been a heavy fall of the recently formed fruit.

Valencias, light to moderate crop showing, but it is somewhat early to forecast this variety.

Lemons light. Many of the trees suffered very severely from the winter frosts and the dry winter.

Grapes.—Sultanas and Currants generally showing very good crops, with some exceptionally heavy ones in various parts of the Area. The bunches are very large, and if the weather holds good the setting should be all that is desired.

Wine varieties of all kinds are also showing well, and table Grapes, of which Purple Cornichon is the most favored, are also showing promise of good crops, except where the frost has in some localities caused considerable damage.

These areas fortunately are this season small, and the general prospects are favorable throughout the area.

Almonds.—Fair to moderate crop, not as heavy as last season.

General Remarks.

Apples, Peaches, Sultanas and Currants, generally heavier than last season, also Prunes and Plums.

Apricots generally lighter.

Wine Grapes, about equal to last season. Table Grapes generally somewhat lighter than last season, except Muscats, which are very heavy with flower buds.

Pears, about even with last season.

The latest figures of plantings on the Area is given as 7,305 acres of deciduous trees; 5,821 acres of citrus; 6,716 acres of vines.

The Irrigation Areas are well worth visiting, and if the people from other States once paid a visit here they would be wonderful advertising agents for this progressive area.

Coomeealla.—Great interest was aroused because of the visit of Sir Philip and Lady Game to the Coomealla Irrigation Areas in October.

An inspection was also made by Mr. H. W. Clapp, Chairman of Commissioners, Victorian Railways, who expressed himself as deeply impressed with the progress made, and the excellent type of settler.

HAIL STORM AT BATHURST.

Severe damage was caused through a terrific hail storm throughout the Kelso district, near Bathurst, on November 12. An expected crop of 50,000 cases of Apples in one orchard was destroyed.

Goulburn (N.S.W.) (17/11/32).—Although early indications pointed to a very heavy Cherry crop in the Goulburn district, late frosts and cold spells have thinned out the crops. However, the yield will still be a good one.

Uralla (21/11/32).—The main fruits grown in this district are Cherries, Apples and Pears, and the principal varieties are: Cherries—Early Lyons, Florence and St. Margarets; Apples—Jon., G. Smith, Demo. and Del., with a fair quantity of R. Beauty; Pears—W.B.C., Packhams, B. Boss, W. Nellis and W. Cole.

It is difficult to compare the coming crop with last year's, owing to last year's frost practically wiping out the crop. Personally, I marketed 97 cases of Cherries last season and expect to market about 2,500 cases this season off the same trees. Again, last season I marketed 1,200 bushels of Apples and Pears, whereas this season I expect to market between 12,000 and 15,000 bushels again off the same trees. I think that was about the general rule in this district, although a few growers out on the Kentucky Soldiers' Settlement had a decent crop last season.

I don't think I have seen the trees and fruit look better than this season, and I presume it is partly due to the trees having a spell last season, and partly to the wonderful season we are having at present. If the season continues as at present we should have fruit of excellent quality.—A. A. Wilkinson, "Methven Park," Uralla, N.S.W.

Albury (N.S.W.).—Peaches: The main Peaches grown are H. E. Canada, Briggs R. May, Hales and Elberta. Crops in the main are heavy, though several are poor owing to shot hole, especially where Bordeaux or Lime sulphur was neglected or put on at the wrong time.

Apples: Main varieties are G. Smith, Jon. and Romes. Crops are mainly heavy, although some are very badly affected by black spot where not sprayed. This is the second season only that black spot has affected Apples to any extent, and is almost general this year.

Pears: Williams, Packhams and Nelis are the principal varieties grown. Williams and Nelis are badly affected with spot, while Packhams are generally particularly good. As in other classes of fruit, neglecting to spray has had bad results.

Prunes: D'Agen, Robes and Sugar are mainly grown and crops are particularly heavy after complete failure last year. Plums (Santa Rosa and President) will also be particularly heavy after their complete failure last year.

Grapes: Waltham and Black and White Muscat, are grown. They are particularly good, although a little late owing to irregular season. There were some signs of mildew even in October as was the case last year.

The last two seasons have been very bad for black spot in almost all classes of fruit. Previously there has been an almost entire absence of spot in all fruits excepting Grapes. The complete control of this fungus with Bordeaux or lime-sulphur or the two in conjunction, has been most striking, the time of application being apparently of the utmost importance.—J. Buckhorn, Lavington, Albury, N.S.W.

Tasmanian Fruit Crops

Lighter Than Previously Anticipated.

(By P. H. Thomas, Chief Horticulturist, Tasmania.)

Apples.—Recent reports and observations from the different districts indicate that the early forecasts for a heavy setting of Apples will not be realised.

The blossoming of many varieties has been irregular, and it is now evident that in many orchards only the early settings are developing. Sturmer, Jonathan, Alfriston, Granny Smith and Cox's Orange Pippin appear to be holding moderate to good crops; Tasman's Pride, Crofton, Cleopatra, Ribston and Delicious are medium and very patchy in some districts, whilst Scarlet, French Crab, Democrat and Dunn's are light to medium.

The red spider infestation of last season appears to have affected the bud formation on certain areas, as it is noteworthy that where this was severe the setting of most varieties is very light. The trees on the whole are generally healthy with good foliage. A few situated on low-lying areas were affected by the heavy October rains. The fine weather recently experienced has enabled cultivation to be proceeded with and orchards are presenting a neat and attractive appearance.

Pears.—A frost was experienced during the setting of some of the early varieties, which in some cases resulted in crop failure. Winter Cole, Glou Morceau and Doyenne du Comice are suffering most in this respect. Other kinds appear to have set medium to heavy yields, the warm bright sunny weather experienced around the blossoming period favoring most varieties. Black spot is showing up in some districts.

Stone Fruits.—Apricots have generally set a good medium crop, and with good weather the general size and quality of the fruit should be above the average.

Plums are very irregular, alternating from light to heavy yields. The warm humid weather experienced during late October was responsible for the development of brown rot in some districts.

The foregoing is a preliminary survey of the crop position as it appears at present.

All branches of the Agricultural Bureau situated in fruit districts have been asked to supply detailed information which, when collated, will enable the percentage yields to be estimated.

Hobart, November 14, 1932.

Last season (1931-32), Tasmania had a crop of 5,400,000 bushels of Apples and Pears, of which 3,416,716 bushels were exported overseas.

For the coming season the crop estimated by Mr. P. H. Thomas, Chief Horticulturist is around 3,250,000 bushels: this is about 900,000 bushels less than the 1930-31 season, when 2,419,000 cases of Apples and Pears were exported overseas.

Winkleigh (Tamar), 21/11/32.—Mr. Neil Campbell, M.H.A., writes as follows under date November 21:—Present indications here are for a good average crop of Apples and Pears. Sturmers appear to be particularly heavy; Jonathans medium to heavy; Cox's Orange, medium. These are the principal varieties grown in this district.

While giving the report now, experience has taught us that it is yet too early to forecast a crop with any degree of accuracy. Heavy droppings in Cox's, and Jonathans frequently take place in December.

TASMANIA.

Scottsdale (22/11/32).—Mr. G. McGowan, "Hazlemere," Scottsdale, Tas., reports as follows:—It is rather early yet to give any reliable estimate of the coming season's fruit crop, but present indications point to about 70 per cent. of last years' record crop of Apples, while most varieties of Pears have set a full crop. Soft fruits are not grown to any extent in this district.

Apples.—Jonathans and Sturmers are our two main varieties. The Jons. blossomed more freely than usual, but the setting is somewhat patchy, probably due to rather adverse weather conditions during early part of blossoming period. Sturmers blossomed rather lightly after last years' heavy crop, but practically every blossom has set fruit. These two varieties indicate about 80 per cent. of last year. Cox's about 60 per cent., while Dunns and French Crabs are light.

Pears.—The main varieties are W.B.C., B.B., W.C., W.N., and B.C., all have set well.

The calyx spray of arsenate, combined with lime sulphur, has just been completed, and as yet there is no trace of black spot on either Apples or Pears. The cultivation is well in hand, and the foliage is looking very healthy.

The writer found two codlin moths caught in traps on November 8, but several examinations since have not revealed any more.

A considerable amount of grafting work is being done here by the new "chisel" method. A few trees done experimentally two years ago are now carrying a good crop of fruit.

Due to the enterprise of a local sawmiller, growers in this district packed all their overseas fruit last year in kiln dried and dressed hardwood cases. These were very favorably commented on by receivers in England. The plant has been extended by the installation of a second kiln, and first deliveries of the finished shooks will shortly be made.

Mr. D. F. Calvert, Forest Home, Huonville, writes as follows on November 14:—Fruit crops in our district (Judbury) on the whole are light, I should say somewhere about 60 per cent, of a good crop.

The main varieties of Apples grown in this district are Sturmers, Scarlets, French Crabs, Cleos., Democrats, Jonathans, with good quantity of Granny Smiths coming into bearing. Pears: Beurre Bosc, Winter Coles and Nelis.

ASSOCIATION OF TASMANIAN FRUITGROWERS.

New Organisation Formed in Tasmania.

INFORMATION IS TO HAND from Sir John G. Fraser, C.M.G., telling of the formation of the Association of Tasmanian Fruitgrowers, of which he is the chairman; the Association having been launched by a number of fruitgrowers who are convinced that no real improvement can be effected unless the growers take control of the industry into their own hands.

Continuing, Sir John writes: "I hold the view that it is essential that all the Australian States and New Zealand should unite in the preparation of a general shipping programme, so that fruit from them may be well distributed and put upon the European markets in a steady flow and so prevent glutting."

Forwarded also were copies of two pamphlets setting out the scope of the organisation.

OBITUARY.

Mr. N. B. Barnett, of Franklin.

Mr. N. B. Barnett, of Franklin, Tasmania, who died during November, was an expert fruitgrower, and a highly esteemed citizen who did much to improve the position of the fruit industry. His passing is a great loss to the community.

KOOKABURRAS ATTACK ROOT BORERS.

Noticing that kookaburras devoured root borer beetles, Mr. A. F. Thiele, of Doncaster, Victoria, placed a barrel in a tree to encourage the kookaburras to make their nests. The plan was successful; the birds have taken up their permanent home and do a vast amount of good in getting rid of the root borers.



A typical Tasmanian Sturmer Apple tree.

—(Illus. by courtesy "Tas. Journal of Agriculture.")

South Australia.

THE fourth annual meeting of the members of the South Australian Fruit Marketing Association was held at Adelaide on November 4, Mr. H. J. Bishop presiding. In addition to the executive members there were about 30 other members, together with Hon. S. R. Whitford, M.P. (Minister for Agriculture), Major N. P. Owen (Chairman, Overseas Shipping Representatives' Association), Mr. G. Quinn (Chief Horticultural Instructor), and Hon. G. R. Laffer.

Major Owen said the ship owners had to cater for the whole of Australia. The adoption of a uniform case was highly desirable.

Mr. Quinn congratulated the Association, which had co-ordinated individual efforts under one control. Competent packers could get the necessary weight into the Canadian case.

Mr. H. J. Bishop was unanimously appointed President. Other office-bearers were elected as follows:—

Committee.

The following members were appointed shipper-mem-

Mid-Murray Notes.

Cincturing Currants, Sultanas and Oranges—A.D.F.A. Conference at Waikerie—Control of dried tree fruits—Californian Raisin Pool—Is Mr. Quinn to retire?—Field Day at Berri Experimental Orchard.

Renmark, November 15, 1932.—Currant cincturing is in full progress, this being slightly later than in average years. Much useful information has come to light on this all-important work by experiments carried out over a period of six years at the Berri Government Experimental Orchard, under the management of Mr. N. Fotheringham.

While the general practice in most irrigation areas has been to favor late cincturing, in recent years this has proved to be contrary to the best production results.

It will come as a surprise to many growers who have been fruit growing for a generation to learn that the best results have been obtained at the Berri Orchard when cincturing was carried out when the blossoms were just opening. The cincture made comprising a double

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bers:—Messrs. G. A. W. Pope, P. R. B. Searcy, G. Selth, F. B. James.

Grower-members: Messrs. M. G. Basey, J. S. Hammat, R. O. Knappstein, A. O. Peterson, J. G. Randell, H. N. Wicks.

Members of the Auxiliary Committee: Shippers: Messrs. A. B. Pitt, G. Mack, R. H. Charlick, A. Filsell, Messrs. Crowe and Newcombe. Growers: Messrs. E. W. Dearman, D. W. Hannaford, M. Vickers, R. B. Pritchard, W. W. Miller, T. Playford, Crammond, G. Quinn.

District Delegates.—All existing District Delegates were re-appointed with the exception of Mr. R. Hale, Lenswood, who was not available, and Mr. E. S. Mason, Lenswood was nominated in his stead, and Mr. C. M. Morgan, Upper Sturt, was appointed for that district.

A successful Conference of the Australian Dried Fruits Association was recently held at Waikerie, South Australia.

The services of Mr. George Quinn, Chief Horticultural Instructor, South Australia, are highly esteemed. Mr. Quinn is nearing the retiring age and very earnest representations are being made to the Government in that State to retain his services for a further period.

cut about 1/10th of an inch in width, and the strip of bark removed. The quantity of fruit harvested gradually decreasing as blossoming and setting proceeds.

The poorest results were obtained when the fruit had developed to the size of 1/8th inch in diameter, followed by a single cut incision. Many growers also cincture Sultana vines, and the practice adopted by Mr. H. Showell (who has about 200 acres of these vines), is to cincture the canes. The cincture is made far enough away from the base of the cane to enable next year's rods to develop to the full extent. Sultana cincturing is not generally favored, however, as the operation is not essential as in the case of Currants.

Cincturing Orange trees when 2/3rds of the blossoms have fallen has given very definite results in these areas.

This is done by means of a single knife cut just sufficient to cut through the bark, but not enough to cut into the wood.

In cincturing Orange trees, judgment must be exercised in doing only very vigorous trees which have developed a habit of prolific flowering and poor setting. It will be found that by increasing the crop by cincturing, the fruit will be of a better quality and lose that coarseness of skin usually characteristic of a light crop on a vigorous tree.

The Ninth Annual State Conference of the Australian Dried Fruits Association was held at Waikerie this year. The delegates who attended were Messrs. W. McGillivray and H. R. Williams (from Barmera); R. Curran, M. W. Nicholas (Berri); M. Gordon, A. Coats (Cadell); J. H. Snow, E. W. Chasson (Kingston); J. Swanbury, C. B. Thomas (Moorook); H. D. Howie, C. S. Ruston, E. N. Seary, T. J. Whillas, V. R. Kemp, G. H. Eaton (Renmark); J. B. Murdock, J. J. Odgers, J. R. Jemison, L. W. Andrew (Waikerie); W. Patching, A. J. Chapman (Angaston); J. Victorson, I. J. Turner (Clare); F. Bruce, A. Fraser (McLaren Flat); Adelaide agents were represented by H. Newton, D. Cooper, H. Shepley, and Cole and Woodham was represented by R. P. Shepley; A.D.F.A. Organisers present were D. Farmer and J. Stewart; the Conference Secretary was L. A. White.

Much important work in connection with the industry was discussed, and a sympathetic consideration was given to a suggestion of further subsidising the experimental work now being carried out by the C.S.I.R., under Mr. A. V. Lyon, M.Ag.Sc.

With the exception of W.A., all the other States have agreed to bring tree fruits under control, it now rests with this State to approve of this measure to bring every State into line. This is the only alternative to chaotic marketing in view of a big crop of tree fruits showing.

A large party came up with the delegates from the non-irrigated areas of Clare, Angaston and McLaren Flat, and after visiting Renmark's main places of interest, proceeded to Berri, then to Waikerie. In the evening of the Conference, a social was given to visitors and delegates, thereby creating a feeling of mutual good fellowship and understanding between the non-irrigated and the irrigated areas. Such a gathering, drawn from every production centre in the State, carries important resolutions to be deliberated at the Federal Council meeting to be held in Melbourne shortly.

The failure of the

Californian Raisin Pool's

efforts to obtain co-operation between growers, is likely to have far reaching effects on other Raisin producing countries of the world, including our own, and incidentally the River Areas. The marketing of the present crop is now taking place, and indications point to a general scramble by merchants to buy for any old price, growers are willing to accept. America has a home consumption of about 85 per cent. of her production, yet the difficulty of getting a fair price for Raisins is entirely due to lack of unity between growers. Americans are not good co-operationists, due, possibly to two reasons, the first being the large proportion of alien element in the dried fruits industry, and the other being a national characteristic of independence. However, it is to be hoped that this season's experience will be sufficient to enable them to carry out some scheme for orderly marketing for the future. The markets of the world cannot be held to values, where dumping methods are adopted, and the present position in California lead us to believe that this is a possibility in the near future.

Mr. Quinn Appreciated.

Growers along the River Murray, as in other parts of the State, are somewhat concerned by the news that Mr. G. Quinn, Chief Horticultural Instructor, who has reached the retiring age, will shortly be relinquishing his present position. The various branches of the Agricultural Bureau are taking the matter up, and have passed resolutions requesting the Minister of Agriculture to retain his valuable services for a further term of years. A petition is being signed by many members with this

object in view. Mr. Quinn is a man who has not only endeared himself to all with whom he has come in contact, but has taken his work seriously, and kept in touch with horticultural matters throughout the world, and his store of knowledge has become a valuable asset to the horticultural industry.

If the Government of the State are retiring Mr. Quinn as a matter of economy, it will be poor economy to deprive us of such a valuable source of information as has been stored up for the last 40 years in the receptive mind of Mr. Quinn.

Berri Experimental Orchard.

The annual visiting day at the Berri Experimental Orchard will take place on December 7 this year. This is always a big attraction, when growers from all parts assemble to hear a report on the year's operations and inspect the various practical experiments now in progress.

The second irrigation

is now nearing completion, and as the weather since the last one has been comparatively mild, the land is taking little water, the average time for irrigation has been cut down by about 1/3rd in consequence. All vines and trees are in particularly good heart, while no diseases have shown themselves up to the present. There has been a fair dropping of Pears in consequent of wind storms, but all things considered, the season is progressing very favorably.—Nemo.

SOUTH AUSTRALIAN FRUIT MARKETING ASSOCIATION.

A MEETING of the Executive Committee of the S.A.F.M.A. was held at Adelaide on October 28. There were present: Messrs. H. J. Bishop (Chairman), M. G. Basey, F. B. James, D. W. Hannaford, R. O. Knapstein, J. S. Hammat, R. B. Pritchard, A. O. Peterson, J. B. Randell, G. Quinn, H. N. Wicks, P. R. B. Searcy, R. Willmore, G. A. Pope, R. H. Charlick, M. Vickers, and the Secretary.

A letter was received from the Overseas Transport Association stating that a large quantity of fruit had been shipped from Australia last year in cases made of unseasoned timber, and advising that in the coming season it was essential that only seasoned timber should be used.

Regarding the packing of fruit it was decided, after discussion, to recommend the adoption of the "count" system.

With regard to the Apple and Pear Export Council a resolution was carried in favor of the Conference being held at the earliest possible moment (preferably November), and that all matters should be dealt with then to obviate a further meeting early in the New Year.

Messrs. H. J. Bishop and J. B. Randell were appointed delegates and Mr. H. N. Wicks as delegate to the Research Sub-Committee.

Correspondence was received from Mr. H. G. Colombie suggesting the advisability of altering the constitution. As these were tentative suggestions the matter was left for the time being in the hands of the President.

Apple and Pear Forecast.—While still too early to state definitely the preliminary forecast for export Apples was set out at 250,000 up to 350,000 cases or even more. Pears: no alteration to previous figures (21,000).

Field Day.—It was decided to hold a field day in conjunction with the Bahannah Agricultural Bureau in Mr. Wicks' orchard on Saturday, January 28.

Thrips Investigation League.—The Secretary reported that 1,000 circulars had been sent to likely donors. De-

cided to appoint an organiser to collect subscriptions. The President asked that Executive members should act as collectors in their own districts. Messrs. Gibbs, Bright & Co. were thanked for their offer to lend a power duster to Mr. H. N. Wicks in experimenting for thrips control.

Mr. H. J. Bishop was unanimously elected President for the ensuing twelve months.

The financial statement showing credit £280/13/8 was read and received.

Nuriootpa (14/11/32).—Fruit crop prospects in the Nuriootpa district are as follows:—

Apples, medium, patchy.

Pears, heavy.

Apricots, medium.

Prunes and Plums, fair to good.

Peaches, light.

Apricots promised a heavy crop, which was considerably reduced by severe frosts in October, the Peach crop suffered from the same cause, as well as green aphids, which is unusually prevalent. The Lone Hand variety, being absolutely blight proof, and more hardy than most kinds, is bearing a full crop.—A. B. Robin.

S.A. FRUITGROWERS AND MARKET GARDENERS' ASSOCIATION.

Useful Work Accomplished.

AT the annual conference of the above Association, it was evident from the report of the President (Mr. Geo. Jennings), that good work had been accomplished, there being substantial benefits to the growers. The Association has committees for Tomatoes, celery and Cherries, trade with celery having been opened up with the Near East, also Sydney. With regard to Tomatoes, the Association has 24 agents in Melbourne, under the supervision of Mr. C. W. McFostie.

The Association decided to oppose the Citrus Marketing Bill, and advised citrus growers against the suggested legislation.

The Association desired the regulations under the "Food and Drugs Act" to be amended to make it compulsory for fruit to be used in drinks which were labelled fruit drinks.

The Association is co-operating with other Associations in opposing the continuation of the sugar embargo. The teaching of Apple packing in schools is being encouraged by giving prizes for competition.

The membership of the S.A. Fruitgrowers and Market Gardeners' Association is about 550, and the income from various sources was last year £1,163.

Western Australia.

Mt. Barker.—Mr. E. Thomas reports fruit crop prospects as follows:—Apple crop, about 45 per cent. of last year (last season was very heavy, about 300,000 cases having been exported from this district).

Dunn's Apples, crop a failure; Cleos., Jonathan, Yates, fair to good; Granny Smith, very light, under 20 per cent. or normal; Rokewoods, light.

Pears, good crops anticipated.

Bridgetown.—Excellent crop of all varieties with the exception of Cleos., which are a failure this season after bearing good crops for the past three years.

Karragullen.—Mr. Hector J. Price, Illawarra Orchard Co., Karragullen, W.A., writes as follows under date November 17:—As regards Apples, there was a very heavy blossoming of Yates, Doherty, Jonathans and Granny Smiths, while Dunns, Cleos., Democrats and Rokewoods were poor. Thrip came in plague form about October 20, but fortunately it was a fairly early blossoming season, the early sprayed trees (with red oil in June and July) having been in full flower at least a week before, i.e., about October 10-13. The last blooms on each variety, with the exception of Grannies, were destroyed by the ravages of thrip, but quite enough blossoms for a good crop had already "set" on most varieties.

Grannies, Doherty, Yates and most Jonathans are good; Cleos., Tasmans and Rokewood fairly light; and Dunns very light. One or two orchards which flowered say ten days later than Illawarra, lost 99 per cent. of their blooms.

This is the third heavy crop that we have had at Illawarra consecutively, 38 acres of Apples averaging over 20,000 bushels for three years.

Thrips have put in an appearance at the end of each blossoming period for three years, and have thinned out the last blooms of most varieties. These buds that have had their blooms destroyed by thrip have apparently formed fruit buds for the following year, thus regulating the crops to a certain extent. Three years ago the thrips destroyed most of the Yates and Dunns, after a good show of blossom.

Bartlett Pears are heavy this year.

Citrus and Deciduous Fruits at Bickley.

Mostly citrus trees are grown at the orchard of Mr. G. H. Palmateer, of Bickley, Western Australia. There are 30 acres under fruit, including Oranges, Lemons, Mandarins, Apples, Plums and Loquats. Varieties grown include:—Citrus: Navels, Late Valencias, Emperor Man-

FRUIT TREES—

And Fruit Tree Stocks

Excellent stock of healthy Plants available.
APPLES, PEARS, PLUMS, PEACHES, APRICOTS,
CHERRIES, etc.,
packed and despatched anywhere.

All Orders receive careful and prompt attention.

Full particulars on application.

C. J. GOODMAN

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BAIRNSDALE, Victoria

Poultry Keeping a Profitable Sideline for Orchardists!

Read the

Australasian Poultry World

Published Monthly

6d. per Copy or 6/- per
annum

Box 1944, G.P.O., Melbourne

darins. Apples: Granny Smith, Yates, Jon., Cleo., etc. The age of the trees vary from those just planted to 35 years, the average yield being 6,000 to 7,000 cases.

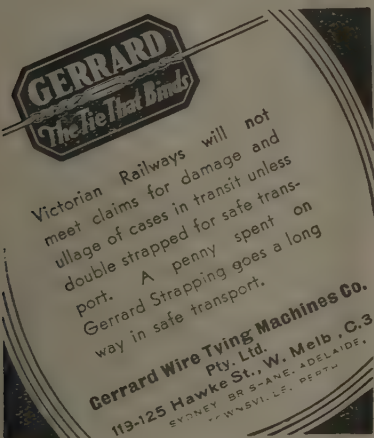
Spraying Programme.—Mr. Palmateer sprays a little for scale and then for brown rot in Oranges when the first rains come. One spraying has been pretty effective, but he is finding now that two sprayings, one about April and one about June, are better still. Heavy dressings of high-grade nitrogenous manures must be carried out to get good results. They have a good packing shed with grader, which is found to be a very great help in the economic handling of their fruit. The prospects are for a good season for citrus by the heavy show of blossom, although the summer crop of Lemons will be light. Plums and stone fruits will have a good showing all round.

Crop Prospects.

Apples will be on the light side in this district. There have been splendid seasonable rains up to the present, and orchardists have been kept very busy keeping the weeds in check; orchards generally are looking very bright and healthy.

Mr. Palmateer states—"A cool store would be a great advantage for this district, as the nearest is about 20 miles, in the city. I realise it will have to come soon, or we will be at a great disadvantage with our soft fruits; it would save extreme high prices or loss in time of gluts.

"Freight on export fruit is entirely out of proportion to other goods. I exported Oranges to London, and the price was payable at 10/-, but freights and other charges took over six shillings a bushel, which brought it down below the payable mark; when one compares it to the charges on grain, it is extortionate, and fruitgrowers will have to charter their own vessels to export. There is enough of them in Australia, and it only needs organising."



Victorian Railways will not meet claims for damage and ullage of cases in transit unless double strapped for safe transport. A penny spent on Gerrard Strapping goes a long way in safe transport.

Gerrard Wire Tying Machines Co.
 Pty. Ltd.
 119-125 Hawke St., W. Melbourne, C.3.
 SYDNEY BRISBANE ADELAIDE
 WAGGA WAGGA PERTH

APPLE AND PEAR EXPORT COUNCIL.

Meeting to be Held at Melbourne, January 4 and 5, 1933.

Many Important Subjects Listed.

IMPORTANT MATTERS affecting the fruit industry are listed for discussion at the next meeting of the Australian Apple and Pear Export Council, which is to be held in the Board Room, Commercial Travellers' Association, Melbourne, on January 4 and 5, 1933.

Delegates will be present from all the Australian States. On the preliminary agenda paper the following subjects appear:—

Empire Preference (report by Mr. J. B. Mills). The freight question. Uniform case (report of tests by Australian Standard Association, and correspondence from all the States). Weight of fruit in cases. Uniform pack in conjunction with uniform case (South Australia). Uniform basis of credits for Apple shipments (South Australia). Uniform nomenclature. Advertising Australian fruit in U.K. (report by Australian Overseas Trade Publicity Committee). Advertising fee on rejected fruit. Crude oil for spraying purposes (request for elimination of duty). Overseas distribution and co-ordination of shipping. Preference certificates. Uniform Pear indemnity clause. Trade with Canada. Thrips Investigation League.

* * * * *

It is quite apparent that the export of Apples and Pears must be dealt with from the all-Australian aspect. Hence the importance of the forthcoming meeting, when delegates from all the States will be present—thus conflicting viewpoints can be reconciled.

Already the Australian Apple and Pear Export Council has functioned effectively, and has been the means of rendering considerable service to the industry, thus pointing the way to the solution of other problems which lie immediately ahead.

Mundaring (18/11/32).—Crops generally are lighter than last year, Apples, decidedly so.

Prospects—Apples: Granny Smith, good; Cleos., medium to good; Jonathans, medium; Dunns, light; Yates, light; Dougherty, medium.

Stone fruit generally good, but falling during stoning, freely.

Pears—Export varieties are very fair; Bartlett's light. —T. H. Ilberry.

Hubby (trying to shave): "That's queer, my razor doesn't cut at all."

Wife: "Don't be silly, dear. Your beard can't be tougher than the linoleum."

A FEW REPLACE PARTS AND YOUR OLD OLIVER IS AS GOOD AS NEW.

Standard the World Over.

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Ample Stocks of Parts at Competitive Prices

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NEW SOUTH WALES: BATLOW PACKING HOUSE & COOL STORES, RURAL CO-OPERATIVE SOCIETY LTD., Box 48, BATLOW.	WEST AUSTRALIA: GEORGE WILLS & CO. LTD., 156 St. Georges Terrace, PERTH.	NEW ZEALAND: J. A. REDPATH & SONS LTD., 37 Johnston Street, WELLINGTON.

APPLE AND PEAR EXPORT ORGANISATION.

IN THE ORGANISING of the Apple and Pear export industry, the matter of collecting levies has always presented difficulty. A sub-committee of the Victorian Fruit Marketing Association recently met and drafted a method by which the State organisations and the Apple and Pear Export Council could be financed by means of the inspection levy collected by the Department of Commerce on Apples and Pears exported. This programme will be submitted to the meeting of the Australian Apple and Pear Export Council in January. The report, which is signed by Mr. Geoffrey W. Brown, Chairman, Victorian Fruit Marketing Association, is as follows:—

Suggestions made by the Executive Committee of the V.F.M.A. for financing the Administrative costs of State and Commonwealth organisations.

In Victoria and South Australia complete organisation exists for the discussion and consideration of all problems related to the export of fresh deciduous fruit, and advice can be given to appropriate Government Departments by a joint consultative committee of growers and exporters. In other States the joint organisations are not in existence, but strong bodies representing each side of the industry already exist, and must as time goes on realise the necessity of mutual consideration and co-operation in all problems affecting the industry.

These bodies are welded together in the Australian Apple and Pear Export Council, to which they all send delegates—and all who have attended those meetings or who have followed their actions at all must realise how immensely valuable these organisations must become as experience help them to meet their difficulties.

In the present very difficult conditions of marketing our produce, anything which will help us to stabilise prices and reduce costs is of vital importance, and decisions on these matters must be reached democratically by those actively engaged in the industry.

In order to maintain these organisations certain minimum essential expenses must be met, and it is the considered view of the executive committee of the V.F.M.A. that this can be most fairly done on the lines suggested below.

Much may be said in favor of the entirely voluntary financing of these bodies, but in our experience it has meant that an unduly large portion of the necessary funds has been paid by those shippers who have taken a broader view and have attempted to work with the growers in the most complete co-operation, and by those growers who have really tried to do something for their less interested brethren, and for the industry as a whole.

Consequently it is suggested that as the Commonwealth Department of Commerce is now collecting an inspection levy on all cases of fruit exported, the bulk of which is to be used for advertising overseas, a proportion to be agreed upon should be returned to the State organisations, in proportion to their export totals, to meet all administrative expenses. This would mean that all contribute to the funds of their organisation, but would not necessarily mean compulsory membership of any body. It would cheapen the process of collecting funds, and would enable us to spread our administrative costs over the largest possible number, and consequently reduce the cost to each individual.

In Victoria it is agreed that if such an arrangement comes with force, the proportion of the export inspection levy used for administrative purpose in the State and Commonwealth organisations shall be paid in agreed shares by the grower and shipper of the fruit.

The "GUIDER" Fruit Grader

RELIABLE—FAST—EFFICIENT.

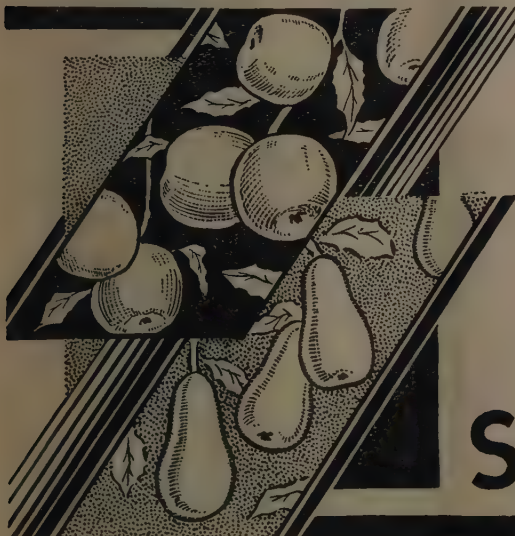
An eight-bin, adjustable grader built
- to give long trouble-free service. -

£30 net at factory, **£30**
Shepparton.

Sole distributors for Australia (except Tasmania)

E. J. VIBERT PTY. LTD.

Shepparton, Victoria.



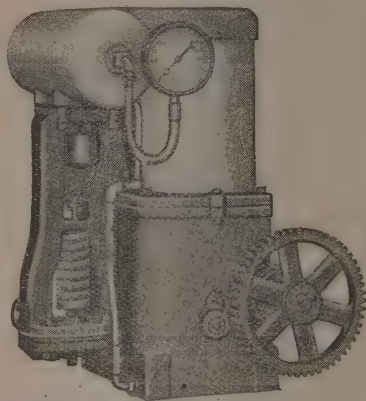
SUCCESSFUL GROWERS are using **SHELL**.

Guided by past experience, successful fruit-growers in every Australian State are now engaged on their spraying operations, secure in the knowledge that the use of **SHELL** Spraying Oils effects the highest percentage of fruit-pest and disease control.

Order **YOUR** supplies of Spraying Oils **NOW**.

THE SHELL COMPANY LIMITED

SHELL SPRAYING OILS



The Fig. 450 Totally Enclosed Twin-Cylinder Pump. All working parts totally enclosed and automatically lubricated. Any pressure up to 350 lbs. per square inch Cylinders Porcelain Lined.

When You Think Orchard Equipment—Think "BUZACOTT"

When You Buy See It's a—
"BUZACOTT"

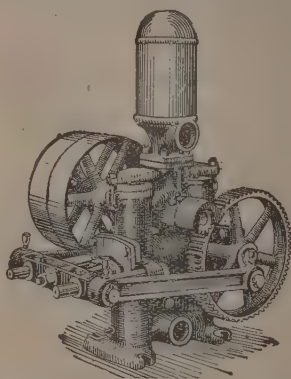
No matter what your Requirements may be, BUZACOTT'S or their Inter-state Agents will give you VALUE and SERVICE, and the PRICE IS ALWAYS RIGHT.

HERE ARE TWO MAIN UNITS OF
The 'Buzacott' Big 4 Portable
Orchard Sprayers

Now Listed at Greatly Reduced Prices.



The Buzacott 13-21 h.p. Vertical Hopper Cooled Engine. Totally Enclosed, Silent Running, Throttle Governing, Automatically Lubricated.



'Buzacott' Double Acting Piston Force Pump. (For Heads up to 250 ft.)

Water for the Orchard

Safeguard against a Shortage, which may mean Loss of Profits and a Ruined Crop.

Irrigate by The "Buzacott" Irrigation System

DO YOU KNOW THIS?

It is a well-known fact that it requires the natural rain to obtain from the Plant life the very best results of growths. The Inventors of the "BUZACOTT" SPRAY IRRIGATION SYSTEM, after years of experience, have produced an Irrigation Plant that gives the nearest possible result to natural rain by the equal distribution of thoroughly aerated water.

The "BUZACOTT" requires less pressure than any other spray, and this, in turn, means less power and, consequently, less cost of running.

There are no wearing parts as with the revolving spray, and no spray is quicker cleaned than the "BUZACOTT."

Distribution. — The equivalent of one inch, 1½ inches, two inches per acre per hour, and even less or greater capacities, are possible with the "BUZACOTT."

FACTS!

THE "BUZACOTT" WAS THE FIRST COMMERCIAL SPRAY SYSTEM OF IRRIGATION—IT REMAINS TO-DAY THE MOST EFFICIENT.

INSTALL THE "BUZACOTT" AND BE INDEPENDENT OF THE RAINFALL!

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OTHER STATES—

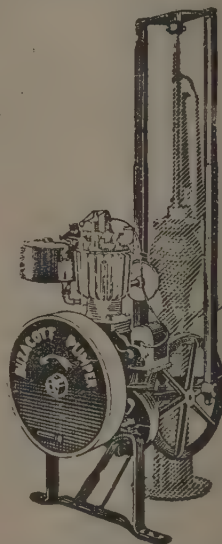
Tasmania: Car Service Pty. Ltd., Hobart.

South Australia: Gardeners' Supply Stores,

Adelaide.

West Australia: Skipper Bailey, Pastoral Dept., Perth.

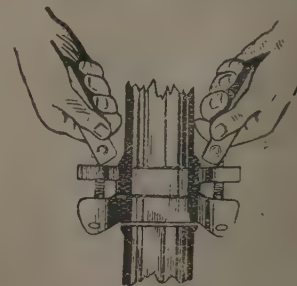
The New Patented "Buzacott" Quick-acting Coupling.



"Buzacott" Pumper can be fitted to any windmill installation in a few minutes. No Belts. Standardised. Runs up to 12 hours on 1 Gallon Petrol.



The "Buzacott" Patent Bayonet Socket Spray permits of each Spray being kept in solid form for the maximum distance before breaking up.



Cool Storage In Australasia

THE ORCHARDISTS AND FRUIT COOL STORES' ASSOCIATION OF VICTORIA.

THE QUARTERLY MEETING of the Orchardists and Fruit Cool Stores' Association of Victoria was held in Melbourne on November 17.

There were present: Messrs. J. Stevens (Blackburn), W. Mock and G. F. Fankhauser (Burwood East), R. Langley (Croydon), J. H. Lang and H. M. McLean (Harcourt), F. Unthank and G. H. Sprague (Hastings), Frank Petty (orchardists), J. G. Aird (Ringwood), T. W. White (Somerville), H. J. Willoughby and F. Stockton (Tyabb), F. J. Byrne (Wantirna), A. E. Hocking (Graceburn Valley), and the Secretary.

Apologies were received from the Hon. W. J. Williamson, M.L.C., Messrs. E. H. Hatfield, J. W. Barrett, A. C. Chandler, H. Pump, E. M. Finlay and Frank Moore.

The President, Mr. A. E. Hocking, occupied the chair.

Export Levy.—It was resolved to approach the V.F.M.A., requesting a conference on the subject of the 'export levy.'

Spray Materials.—It was decided to emphatically protest against the action of the Government in increasing the duty on raw materials used in the manufacture of spray materials for the control of orchard pests, after a request for a reduction.

Cool Store Holdings.—The following resolution was carried: "That this Association is of the opinion that it is in the best interests of the industry that the information as to store holdings of fruit should be made available to fruitgrowers through the Cool Stores' Association as it believes that loyal co-operation by all Fruitgrowers' Cool Stores in this direction must be of benefit to the industry."

The President submitted a report by Messrs. Edward H. Lewis & Son Ltd., of London, on the relative merits, in their opinion, of the softwood and the Australian hardwood cases for export, which instituted an interesting discussion.

The President and Vice-President (Mr. Petty), reported on the visit to Tyabb on September 2 last, when a large number of fruitgrowers from the several districts of the Peninsula attended a very pleasant evening. Meetings of this nature in the various centres should be materially helpful to fruitgrowers.

Several stores reported that in accordance with the Batlow resolution an Observation Officer had been appointed for their respective districts. Reports would be available at a later date.

H. Carpenter & Co.

264 City Road, South Melbourne

PIPING NEW and SECONDHAND.

All sizes, Black and Galv. 2ft. lengths for irrigation.

Pumps, Windmills, Etc.

Low Prices Quoted.

In response to many requests, the "Fruit World" is now reserving this special Fruit Cool Storage Section to deal with the everyday problems of the cool store manager and refrigerating engineer, from whom enquiries are invited. Practical cool storage notes of interest are also invited from readers. Address correspondence to Practical Refrigeration Department, "The Fruit World," Box 1944, G.P.O., Melbourne, or 439 Kent-street, Sydney, N.S.W.

Compensation Fund.—The Doncaster Fruitgrowers' Association wrote asking for support for the Southern Fruitgrowers' Research Compensation Fund, which was being established to compensate the grower whose trees were being used for experimental work on fungus diseases for any damage that may be incurred. It was decided that the Secretary send circulars to affiliated stores, urging that individual assistance be given wherever possible.

Crop Reports.—Crop reports submitted by delegates showed that black spot was very prevalent and would interfere with the ultimate clean crop to be harvested. The crop did not now promise to be so heavy as was anticipated about two months ago, but in the aggregate, with seasonable conditions prevailing until picking time, the crop should be fairly good.

Other resolutions carried were: "That the Government be requested to increase the Scientific Research Staff of the Department of Agriculture in order to permit of continuous and intensive research work in connection with fruitgrowing and all other branches of primary production."

"That this Association is of the opinion that the action of the Superintendent of Horticulture, Mr. Ward, pressing for the installation of washing machines for Apples is not in the best financial interests of fruitgrowers."

"That this Association deeply regrets the death of Professor McAlpine, late of the Agricultural Department, and places on record its keen appreciation of his valuable Scientific Research Work in connection with the fruitgrowing industry."

In a discussion as to the relative merits of the installation of crude oil power and electrical power for operating fruit cool stores, several delegates from stores which have installed electric power expressed the opinion that if they were replacing or duplicating their power plants they would instal electric motors in preference to crude oil plants.

The BAVE-U Power Sprayer

From H. G. Harris, Farm 337, Leeton, N.S.W.

I must tell you how pleased I am with your Machine. I think your new release valve is perfect. I am using two Spray guns at 300 to 350 lbs. pressure and the pressure hardly varies. My Machine has done on an average 24,000 gallons per Year, the work of about 30 Farms. I think it is worth its weight in gold.

IN USE ALL OVER AUSTRALIA.

No Choked Nozzles.

Russell & Co.

Engineers

Box Hill, E.11. Vic.

CLEAN FRUIT *means* CLEAR PROFIT TO THIS GROWER

THIS is also the reason why most of the leading Orchardists all over the Commonwealth, after years of experimenting with different arsenates, have definitely decided on "Aero" brand Arsenate of Lead.

We have scores of testimonials from Orchardists who have safeguarded their profits by spraying their apples and pears with "Aero" brand.

These gratified users have expressed entire satisfaction with this super quality product.

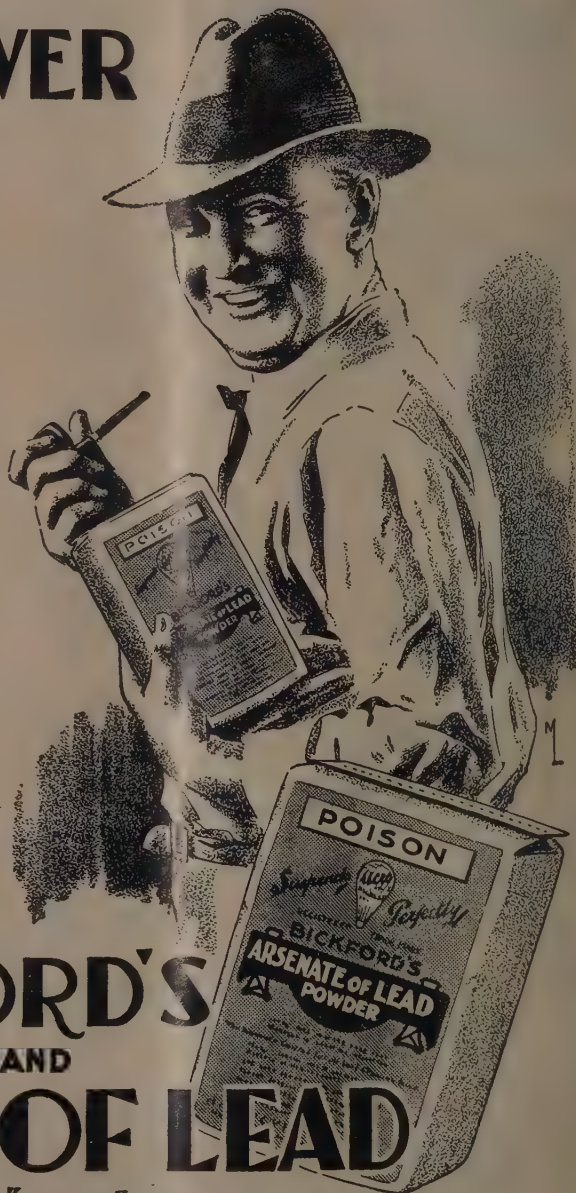
"Aero" brand Arsenate of Lead is so light that it readily mixes in the spray tank, where it suspends so perfectly that it gives the maximum coverage, it also clings well to the foliage. It is so impalpably fine that you can spray all day without a choke in the spray nozzle.

The arsenical content of "Aero" brand Arsenate of Lead is so high that it ensures the fullest protection against codlin, yet the free arsenic oxide content is so low that it will not burn or scald the foliage. "Aero" brand is indeed a superlative quality Arsenate of Lead, and it is no dearer than inferior arsenates.

AWARDED GOLD MEDAL
All Australian Exhibition 1930

We were the first makers of powdered arsenate in Australia, and "Aero" brand is the result of years of research in our chemical laboratories.

Our Interstate Agents (see below) will gladly supply you with full particulars of this Gold Medal Product.



BICKFORD'S "aero" BRAND ARSENATE OF LEAD

By every Test Bickford's "AERO" Brand is Best

TASMANIA (Northern Districts)—
GARDNER & MCKENZIE PTY. LTD.
64 Cameron Street, Launceston.
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OP. ASSOCIATION LTD.
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INTERSTATE AGENTS:
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FELTON, GRIMWADE & BICKFORD
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QUEENSLAND—
BUZACOTT (QUEENSLAND) LTD.
413 Adelaide Street, Brisbane.
VICTORIA—
RAMSAY & TREGANOWAN LTD.
469-477 Latrobe Street, Melbourne.

COLD STORING BERRY FRUITS.

Berry growers would be wise to give close attention to the possibility of cold storing their berries for use in the baking and confectionery trade during the off season. The success of the method has been demonstrated by the Department of Agriculture.

Briefly, the idea is to place the berries in layers in barrels and to have a layer of sugar between the berries. The barrel is then sealed and frozen. Later on these barrels of berries can be withdrawn from cold storage; they are perfectly wholesome and sweet if consumed without delay and are thus suitable for the restaurant and cafe trade for Strawberries and cream, also for the baking and confectionery trade for Strawberry pies, cakes, etc. In America the barrelling and freezing of Strawberries has grown to an immense industry.

COOL STORAGE OF CHERRIES.

CHERRIES CAN BE COOL STORED quite successfully from four to six weeks (they have even been stored for as long as eight weeks), depending on their condition when placed in the cool store. However, it has been found that there is generally no advantage in storing later than from Christmas to New Year, as other stone fruits are then becoming so plentiful that the price of Cherries is likely to drop.

The following points on the cool storage of Cherries have been supplied by Mr. W. E. Barrett, proprietor of one of the cool stores in Orange, who has been very successful in the cool storage of Cherries and other fruits for some years past.

The best temperature at which to store Cherries is between 30 and 32 deg. Fahr., and, if possible, it should not be allowed to go above 33 deg. Fahr.

Cherries for cool storage should be ripe, but not soft ripe. It is preferable for them to be slightly under-ripe rather than overripe. The Cherries should be placed in the cool store as soon as possible after picking.

The main varieties, such as Early Lyons, Florence and St. Margaret, all cool store equally well. Bigarreau Napoleon stores well enough, but it "browns" in cool store just as it does where touched when packed fresh. The variety Early Lyons will store, but, except to avoid a short glut, it is generally useless to store the early varieties, as when held they have to compete with the later varieties, which are generally preferred on the market.

It is preferable to use lining paper around the sides, top and bottom, but end papers need not be used.

Provided they are not stacked in a truck with a quantity of other fruit which is hot (that is, fruit which has not been in cool store or pre-cooled) the cool-stored Cherries carry equally as well as those freshly picked.

Mr. Barrett also states that he finds it best to store in half cases, handling the fruit as little as possible (of course rejecting any split or otherwise damaged Cherries), and only filling the cases sufficiently to allow the lids to

be tied down without any undue pressure on the fruit. When removed from store it is necessary to re-pack the Cherries for market, rejecting any imperfect fruit.

Some orchardists packed their fruit ready for market before placing in the cool store, but the pressure used when nailing on the lids damages some of the fruit, especially near the ends of the box, and the damaged fruit will go mouldy during storage. It is only advisable to pack ready for market before storing if it is quite certain that the fruit is not to be held longer than one week.

The first indication of the Cherry deteriorating in cold store is the drying of the stalk and its subsequent separation from the fruit.—"N.S.W. Agric. Gazette."

A.J.C. COOL STORE.

A 50,000 case cool store is just being completed at the works of the Australasian Jam Company Pty. Ltd., Garden-street, South Yarra, Vic. Of the seven chambers, one is on the direct expansion system and the other six cold air circulation. This cool store is one of the most up-to-date in the Southern Hemisphere. It will be of great service during the coming fruit season, particularly for the cool storage of Pears in order to equalise the ripening process. These stores are built and equipped by Mr. P. C. Marsh, refrigerating engineer, of Hobart, from his own design. Further details next issue.

* * * * *

A 5,000 case cool store is being erected at the orchard of Mr. A. E. Ireland, Doncaster, Vic. The building is now nearly completed. The store will be equipped with machinery and in running order for the coming season.

FRUIT TREES

ONE GROWER SAYS—

"The trees (750) arrived in excellent order and are of exceptional quality. Our local inspector said they were the best trees he had seen. You will get my order, about same number, for next year."

QUALITY.

QUANTITY AVAILABLE.

Catalogs and price lists from—

John Brunning & Sons

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FORDSON TRACTORS and OLIVER PLOWS

SPARE PARTS FOR ALL MODELS

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MOTOR TRACTORS LTD., Young St., Sydney

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"Sellmotors"

CITRUS FUMIGATION with CALCID BRIQUETTES



Illustration showing operator with machine at tented tree.

ensures a **QUICK** and **UNIFORM** distribution of Hydrocyanic Acid Gas throughout the whole of the tented enclosure, contacting with every insect on the tree.

You cannot afford to raise fruit and scale on the same tree —it just can't be done on any basis profitable to the grower.

The Largest Growers and the Largest Packing Sheds in Australia now fumigate exclusively with **CALCID BRIQUETTES**.

Ask us for Details of this Superior Fumigant.

AUSTRALIAN DISTRIBUTORS—

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SYDNEY:	MELBOURNE:	ADELAIDE:	BRISBANE:	PERTH:
2 Bridge Street.	9 Empire Arcade, 268 Flinders St.	12 Page Street.	12 T. & G. Building	W. G. Waldie, 489 Murray Street.

"RED ROSE" NICOTINE SULPHATE

40 Per Cent.

GUARANTEED 40 per cent. PURE NICOTINE.

Indispensable to the Orchardist

Invaluable to the Poultryman.

Full directions given on each tin.

BUY BRITISH! — and INSIST upon

"RED ROSE"

GET THAT 100 PER CENT. KILL.

David T. Boyd & Co. Ltd.

59 Mark Lane

London, E.C.3

Cable Address: "DIAPHONICS," London.

Agents for Victoria: D. & W. CHANDLER LTD.,
120 Johnston Street, Fitzroy, N.6, Victoria.

Agents for South Australia: Silbert, Sharp & Bishop
Ltd., Rundle Street East, Adelaide.

Agents for N.S.W. and Queensland: Buzacott & Co. Ltd.,
7-11 Market Street, Sydney, N.S.W., and Queensland.

(Enquiries invited for Territorial Sole Agents.)

INCREASED PRODUCTION AT REDUCED COST

Nitrogen—one of the most important factors in fruit tree growth and production—is now cheaper than it has ever been in Australia.

SULPHATE of AMMONIA

the principal source of nitrogen supply is available at a price which brings it well within the reach of every fruit-grower. In fact, it is not too much to say that **no fruitgrower** who wishes to take advantage of the brighter outlook ahead, **can afford to do without SULPHATE OF AMMONIA.**

*Ask your FERTILISER AGENT
to quote you.*

Write us for our Recommendations.

NITROGEN FERTILISERS PTY. LTD.

360 Collins Street, Melbourne, C.1.

Canned Tomato juice is becoming increasingly popular in U.S.A.

Canned Apples from Tasmania were sold during mid-November in London. Under the Preferential Tariff, this looks like a line worth developing.

The Canadian Apple Crop was estimated on October 1, at 9,500,000 bushels, against 11,400,000 bushels a year ago. The important Neva Scotian crop was reduced 800,000 bushels by a wind storm in September, and is now placed at 2,300,000 bushels.

French 1932 Dried Prune Crop Reduced to 2,500 short tons compared with earlier season estimate of 3,500 tons, and last year's production of 4,000 tons.

German Inland Fruit Markets Showing Some Improvement in demand and price due to declining supplies of Plums and Pears, and because of poor quality of Italian and French Grapes offered. Peak Continental Apple movement not yet reached, but prices steady. Active demand raising prices cider stocks which is important factor. General prospects relatively favorable with slow rise prices Apples and Pears anticipated by German fruit trade, but market still unable absorb large American shipments.—“Foreign Crops and Markets,” U.S.A.

AUSTRALIAN APPLES IN U.K.

Australian Apple importers met the National Federation of Fruit and Potato Trades in London towards the end of November. Among the recommendations are that there should be a very carefully drawn schedule of steamers with proper distribution at U.K. ports, vessels to be loaded only with reasonable quantities: the freight is deemed to be out of proportion to the gross selling value of the fruit.

Pear Packing Chart.—The Department of Agriculture (Horticultural Division) has just issued packing chart for Pears: (a) the 8½in. standard Pear case (18in. long x 11½in. wide x 8½in. deep—inside measurements); (b) the “long” bushel case (26 x 6 x 14½in. inside measurements, clear of division). These charts will be published in the “Fruit World Annual,” which is now in course of preparation.

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(Bordeaux Paste)

ORCHARDISTS! Sincos avoids the trouble and mess of making Bordeaux Mixture in the usual way.

It is cleanly and easy to use.

It mixes readily with Red or White Oils or Arsenate of Lead. No spreader needed.

Contains 69 per cent. of combined copper, and is by far the most economical method of applying Bordeaux.

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The first glance at your Product by a purchaser when so packed ensures a better price.

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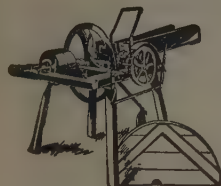
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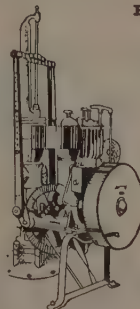
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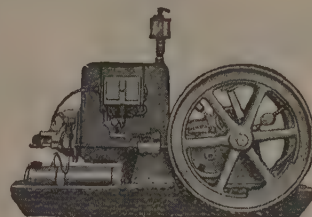
Cliff & Bunling Chaff-cutters and Feed Grinders. Well made—reliable—and Cheap.



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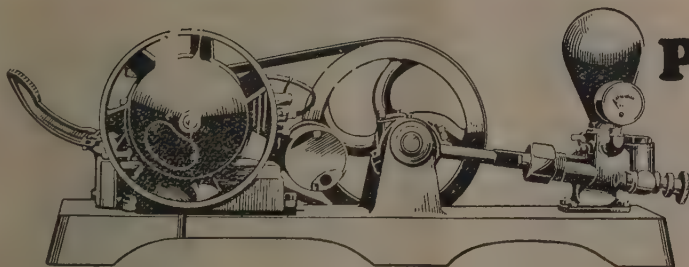
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Easily adapted for jetting, pumping, electric lighting, lime washing, etc. Prices for these extra fittings on application.

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Complete with 30ft. of delivery hose, spray rod (7ft. 6in.) in 2 sections, suction stand agitating jet, spraying nozzle, with numerous discs, and shut off valve.

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Please forward me specifications and all particulars of the Marino Power Spray Plant.

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QUEENSLAND.

Toowoomba (15/11/32).—A report on the fruit crops of the Darling Downs and Main Range, Toowoomba, is to hand from Mr. Wm. Leslie, Assistant Instructor in Fruit Culture, as follows:—Apricots have first appeared on the local market this week. This is later than usual—the first of the Apricots generally being seen at the end of October. The variety commonly grown for market is Newcastle Early. Other sorts are grown on a small scale. The quality of present supplies is poor. Owing to continuous unusually cold nights and dry weather, fruit has not grown, and these first supplies consist of

quite small fruit. Rain fell yesterday generally, and an improvement in quality may be expected.

Fruit in Warwick district has been much injured by hail. Two successive storms passed over the district. In the first the hail was about the size of hen eggs. In consequence of this and the dry weather, a local normal crop for Apricots of 2,500 cases will become one of only about 500 cases. Here also Newcastle Early is the chief variety.

Peaches and Plums are a fair crop, but small in size. Loquats are plentiful, some have been stung by fruit-fly.

Orange orchards are clear of fruit.

(Other Queensland News on pp. 691-2)

“Black Leaf 40”

Death to Aphis (Plant Lice) and Other Insects

Aphis and other insects are common enemies of the orchardist and gardener. Protect your trees, vines and plants with “Black Leaf 40.”

In the Orchard and Garden

“Black Leaf 40” is recommended for killing woolly aphis, apple aphis, peach aphis, aphis on roses, other flowers and vegetables, mussel scale (young), Harlequin fruit bug, holly or cross bug, oleander scale (young), San Jose scale (young), red scale (young), red mites (Summer), rutherglen bug, pear and cherry slug, thrip, fine scale (young), pea mite.

In the Poultry Yard

Paint the roosts lightly with “Black Leaf 40” just before the birds go to roost. Body-lice will be destroyed while the flock roosts. To help prevent mites from attacking fowls, tie or tack a piece of heavy cloth around ends of roosts and roost supports and saturate with “Black Leaf 40;” spray inside of house with “Black Leaf 40,” three tablepoonsful to a gallon of water to which soap has been added.

“Black Leaf 40” has the endorsement of Agricultural Colleges, Experiment stations and orchardists. It is the World's leading aphis specific. It also kills the young larvae of many chewing insects when sprayed upon them so as to wet their bodies.

Kills By Contact and By Fumes

“Black Leaf 40” has a dual action. It kills plant insects both by fumes and by contact. This double-killing action makes “Black Leaf 40” unusually effective in insect control.

Paint Roosts . . . Kill Poultry Lice

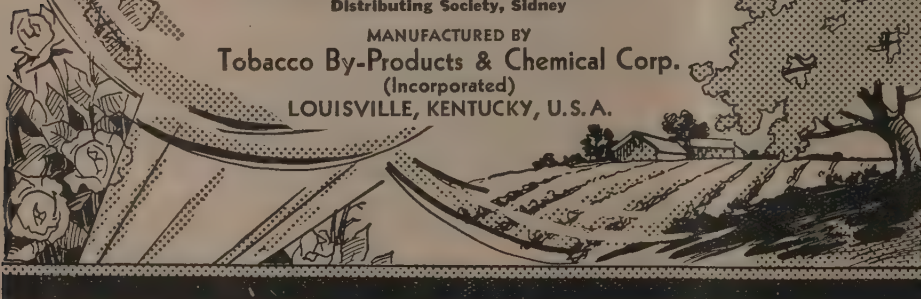
Poultrymen find that if they paint the roosts lightly with “Black Leaf 40” the lice on the birds are killed. The heat from the birds' bodies releases fumes which destroy lice, as the flock roosts on perches.

Genuine “Black Leaf 40”

“Black Leaf 40” is registered by us in Australia and New Zealand as a Trade-Mark and Brand. Users are familiar with the red labelled packages and the black leaf design prominently displayed thereon. Beware of imitations. Insist upon genuine “Black Leaf 40” made only by Tobacco By-Products & Chemical Corporation.

Distributed in Australia by Neptune Oil Company, Melbourne, and by Producers' Cooperative Distributing Society, Sidney

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LOUISVILLE, KENTUCKY, U.S.A.



Poultry Notes.

FEEDING RATIONS AND LAYING.

"B.Y." (Burwood), writes:

Ques.—I have 54 fowls comprising 18 White Leghorns—second year, 36 Black Orpingtons, Rhode Island Reds and Plymouth Rocks, first year hens. Their monthly laying from June 1 to October 31 was:—688, 767, 735, 894, 1,010. Feed consists of (by measure), 3½ quarts each of pollard and bran, three tablespoons Eggoleen, morning.

Messrs. Parnham & Carter's Auction Mart at
Bentleigh, Vic.



(Above): Section of the pens in the spacious auction room.
(Below): Mr. C. J. Parnham offering birds under the hammer.

Grain, three quarts wheat evening, and green feed mid-day. I also have 80 August hatched chickens, mixed breeds and sexes. Feed is (by measure), two quarts each bran and pollard, three tablespoons buttermilk morning; one quart wheat midday, and 1½ quarts wheat evening, and green feed during day. How have hens laid, and is feed right?

Ans.—Your 54 hens have laid on an average 815 eggs per month over the period of five months, or an average of approximately 15 eggs per hen per month. As the period covers both winter and spring months, it may be taken as representing the fair average yield which would work out at 180 eggs per bird per year.

As the second year hens would probably lay 10 per cent. less than the first year hens, the average is quite a fair one for a mixed flock of the breeds mentioned. A pedigreed flock on a commercial egg farm should average over 200 eggs per bird, and many flocks of Australorps and White Leghorns are yielding considerably higher flock averages than that to-day. A flock average of at least 220 should be aimed at. For that reason it is better to concentrate on fewer breeds and pay more attention to selection and testing. If your birds are doing well under the rations you are feeding, it would not be wise to alter them. If a good sample of pollard is available, equal parts of bran and pollard should be quite satisfactory. There are many different rations that can be fed with success—all equally good in varying circumstances. For 54 hens, the quantity of Eggoleen could be increased to 4½ tablespoonsful. I prefer feeding a mixed grain ration at night, especially to the growing

stock. Try three parts wheat, one part maize, and half part short stout oats. This can be bought ready mixed if preferred.

EXPORT OF SOUTH AUSTRALIAN APPLES.

Forward Selling of Crops.

The general manager of the Government Produce Department (Mr. G. A. W. Pope), stated to-day that negotiations for the sale of Apples to overseas buyers have been in progress during the past few weeks, and the Trade Commissioner has now advised the Department that he has sold 16,000 cases comprising Cleopatras, Jonathans, Rome Beauties, Stone Pippins.

The prices realised c.i.f. and e. are 10/- for Cleo., 9/- for Jon. and R.B., and 8/9 for Stone Pippins. On the present rate of exchange these prices work out free on board Port Adelaide at 8/- for Cleos., 7/- for Jons. and Romes, and 6/6 for Stones. Growers will understand that they must take the risk of any rise or fall in the rate of exchange.

The buyers have stipulated that only a limited quantity of 2½ inch and 3 inch sized Apples shall be included, especially in Jonathans and Romes, and because of the bad results experienced with the keeping qualities of these large Apples last season they are only prepared to purchase any excess of large Apples at 1/6 per case below these contract prices.

Cabling under date of November 16, Mr. McCann states he fears that it will be impossible to obtain further orders at these prices as sellers from Western Australia, Victoria and Tasmania are flooding the English and Continental markets with very greatly reduced prices, and more favorable conditions.

13 EGGS a Day From 14 Fowls.



The letter we publish below is of especial interest because it is written by one who has used Karswood Spice for a number of years and can therefore claim to have tested it thoroughly. To average 13 eggs a day from 14 fowls during the winter months is a record of which any fancier could be proud.

"I have been a user of Karswood for a number of years, and can only describe it as 'great.' From 14 fowls (10 pullets, 2 second-year and 2 third-year), I was averaging 13 eggs daily during the winter months, and that without any special feeding."

Belair-road,
Blackwood, S.A.
Sept. 14, 1931.

(Sgd.) Mr. H. Matthews.

Test Karswood Poultry Spice with your own birds. Mix it in the mash and feed it regularly every evening. It may be a fortnight before you notice the difference in the number and quality of eggs; that is because Karswood is not a forcing agent but a natural stimulant. Karswood will help your birds to lay bigger and better eggs and more of them.

KARSWOOD
■ POULTRY SPICE ■

Increases egg-production without forcing.

Australian and New Zealand Fruit Trade

Market Notes and News — Prices, etc.

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Lucas, D. S., 132 Franklin Street, Melbourne.
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Ross, J. W., Wholesale Fruit Market.
Sang Goon & Co., Wholesale Fruit Market.
Silbert, Sharp & Davies, Wholesale Fruit Market.
Stott & Sons, T., Wholesale Fruit Market.
Tim Young & Co. Pty. Ltd., Wholesale Fruit Market.
Tong, W. S., Wholesale Fruit Market.
Vear, F. W., Pty. Ltd.
Wade, H. M., & Co., Wholesale Fruit Market.
Wilson, H., Pty. Ltd., Wholesale Fruit Market.
Wing, R. A., & Co., Wholesale Fruit Market.
Wing, Young & Co., Wholesale Fruit Market.
Woollf, G., Wholesale Fruit Market.

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Young, J. H., & Co. Pty., Wholesale Fruit Market.

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QUEENSLAND.

Barr, A. S., Fruit Exchange.
Bennett, F. J., & Co., cr. Elizabeth and Collins Sts., Hobart.
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Geeves, H. V., Fruit Exchange.
Robsons Ltd., Fruit Exchange.
Winters, E.

Hobart:

TASMANIA.

Eric Burgess Pty. Ltd., 88 Collins Street, Hobart.
E. R. Cottier Pty. Ltd., Temple Place, Macquarie Street.
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Dunedin:

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Co-operative Fruitgrowers of Otago Ltd.

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Port of London (Capt. A. W. Pearse, 10 Bligh St., Sydney).
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Ridley, Houlding & Co., Covent Garden.
White & Son Ltd., London Fruit Exchange, Spitalfields, E.1.

Manchester:

The Port of Manchester Rev., W. J. Wade, 8 Bridge Street, Sydney.

Bremen:

GERMANY.

Fruchthandel, Gesellschaft.

Hamburg:

Astheimer, P. H., & Son, Fruchthof.
Gustav Bey, Hamburg.
Int. Fruit Import Gesellschaft.
Lutten, J. H., & Sohn, Hamburg.
Stier, Aug., Fruchthof.
Timm & Gerstenkorn.

NEW SOUTH WALES.

SYDNEY MARKET.

Month of November.

TRADING during the past month was exceptionally dull for this period of the year, and there seems to be no doubt that the fruit trade in particular has felt the effects of the depression more during the past three months than at any time since it began.

Citrus Fruit.—Oranges undoubtedly suffered more than any other variety of fruit. Large sizes were scarce and counts 113 to 150 of choice fruit sold fairly well right throughout, but smaller sizes were very slow of sale at low prices, while inferior fruit was practically unsaleable.

Unfortunately, "black spot" developed very rapidly in the coastal areas, and as a result many thousands of cases were unfit for marketing.

Growers are now realising that the local demand cannot cope with the heavy increase in production, and much

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CITY FRUIT MARKETS, SYDNEY

more interest is being taken in the question of export. It is probable that considerable quantities will be sent away next season provided conditions are normal.

This will be the most important question to be discussed at the Convention of Australian Citrus Growers at Gosford next January, when it is hoped a programme for a properly organised effort will be laid down.

A few late Navels were marketed right throughout the month, and these sold at high values, special fruit ranging from 14/- to 19/-.

The New Zealand market was over-supplied with Oranges and in consequence values remained low throughout the month. Demand in the Dominion has also been affected by the times, and the market was not capable of absorbing as much fruit as last season at anything like payable values. At times Oranges were being sold in New Zealand at the same figure as could be obtained on the Sydney market.

The shipment of Valencias which left Sydney by the s.s. "Stassfurt" arrived in splendid condition on the other side. A small percentage of the consignments consisted of fruit that was not up to export standard, and this fruit was the subject of adverse criticism in the press. However, the bulk of the shipment was of good quality and sold at satisfactory prices both on the Continent and in the U.K.

Lemons continued in light supply right throughout the month and really choice cured fruit sold up to 16/- per case. Tree-ripe Lemons also brought quite good prices, while the demand from factories was sufficient to take care of all the large fruit coming on the market at prices up to £12 per ton, according to quality. The new summer crop is now coming on the market, but the quantity so far which has arrived is very small and future values will depend on supplies.

Apples.—Supplies fell off during the latter half of the month and as a consequence values of all varieties moved up and have remained steady since. Some new season's Allsopps have been on the market during the past 10 days and have been selling at 5/- to 13/-, according to size and quality.

Bananas.—Values fluctuated slightly according to supplies coming in and prices at the end of the month were slightly easier than at the beginning.

Pineapples.—Consignments fell off as the month advanced and prices moved up, best counts of choice fruit selling to 15/-.

Passion Fruit.—Was in very light supply right throughout, and choice fruit sold to 20/- per box. Supplies have been coming in from Queensland in increasing quantities during the past week, and the North Coast district of New South Wales has now also commenced to market their new crop. As a consequence, values have come back sharply, and at the time of writing 14/- is the top price, and this can only be obtained for really choice fruit. Supplies can be expected to increase from now on, and values will come back in consequence.

Grapefruit.—Was scarce, especially choice fruit of sizes 64 to 96, which sold up to 22/- per case. Larger fruit was in heavier supply and could only be sold at very much lower prices. It is expected that a small shipment of American Grapefruit will arrive in Sydney about the middle of next month, and this fruit is already being quoted at 55/- per 1½ bushel case.

Cherries.—The early varieties from Young were in heavy supply, and although values were only moderate it was pleasing to note that stocks were cleared daily, and at no time was there any serious carry over. Young has now finished its early varieties, and is marketing Florence

and St. Marguerites, while Orange is sending fair quantities of early Lyons and Burgdorfs.

Some little damage was caused by rain in both places, but fortunately this was not as serious as last season.

Plums.—Commenced to arrive in the early part of the month, and, as usual, the first consignments sold at good prices, although not as high as in former years. With increased supplies, prices naturally came back, but large fruit is still realising payable values.

Peaches.—As in the case of Plums, most of the Peaches so far marketed are on the small side, and anything large sold at fair rates. It is expected that consignments will increase rapidly from now on and that values will be low.

Apricots.—Early 'Cots were not in heavy supply, and considering the times, sold at quite fair prices. Most of the fruit so far marketed has been from the metropolitan district, and a few cases have arrived from the M.I.A. Next week consignments are expected to be much heavier from the area. Owing to the scarcity of dried fruits, it is anticipated that very much less fruit than usual will come on to the Sydney market from the M.I.A.

Cucumbers.—Sold at payable prices in the early part of the month, but during the past two weeks heavy consignments both from Queensland and locally, caused an over-supply, and prices were not payable. Future prospects will depend on the quantity coming on the market.

General.—Owing to the conflicting reports from the various districts, it is difficult to give a reliable forecast as to the crop of stone fruits that will be marketed, but from reports to hand it seems probable that there will be no shortage of any variety.

Fortunately there is a strong demand for both canning and drying varieties, and this should help to maintain prices for fresh fruit.

The advent of warmer weather should increase the demand for citrus fruits, and the outlook to-day for Valencias is certainly better than it has been during the past two months.

Sydney (21/11/32).—The Market Representative of the Fruitgrowers' Federation of N.S.W. reports as follows:— Apples: (Tas.) Crofton 8/- to 13/-; Demo., 8/- to 13/-; F. Crab, 6/- to 9/-; Sturmer P., 7/- to 9/-; (N.S.W.), G. Smith, 12/- to 16/-; (W.A.), G. Smith, 12/- to 14/-;

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Specialist in Strawberries and all other Choice
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All Victorian Fruits and Nuts handled to best
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See Paragraph, Page 209.

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City Markets, Sydney, Offer You
Expert Salesmanship, Dependable Advice, Prompt
Returns, and a Cheque that is not a "Boomerang."
One Consignment—Long Attachment.
Phones MA 2810 and UJ 3827 (after 7 p.m.).**J. Stubbs,** Fruit Merchant and Citrus
Specialist,
Municipal Markets, Sydney.We dispose of large consignments of Growers' Pro-
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solicit a share of your patronage.Quick Results and Prompt Payments are Our Business
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We Solicit portion of your Consignments.
Prompt Returns Immediately on Completion of Sales.
Well established business in an advantageous position
in the Market.

Yates (Vic. and W.A.), 8/- to 14/-. Pears: (Vic.) Broome Park, 7/- to 12/-; Jos., 9/- to 16/-; Apricots, 3/- to 8/- half case; Glengarry is about finished and varieties now are Newcastle (mostly small), Bobby Allen or Allen's Early, and Pennant Hills. Bananas: 10/- to 21/- for firm colored fruit. Cherries: Eagle Seedling, 3/6 to 4/6, few to 5/- quarter case; E. Lyons, 2/- to 3/-, few to 3/6 quarter case; Burgdorf S., 2/- to 3/6; Early Rivers, 3/- to 3/6; E.P. Guigne, 2/6 to 3/6. Last week's arrivals totalled 40,000 quarter bushel cases. Lemons: 5/- to 12/- bushel; cured fruit to 15/- and 16/-; plain fruit, 6/- to 7/-; factory, 5/- to 5/6. Valencias, 3/- to 5/-; Navels, 8/- to 10/- bushel, few to 12/-; selected wrapped, 14/- to 17/-, few to 18/-; Mandarins (second crop), 9/- to 12/- bushel; Grapefruit (N.S.W. and Vic.), Marsh's Seedless, standard 12/- to 15/- bushel, special 15/- to 22/-. Gooseberries, 4/- to 5/6, special to 6/6 quarter bush. Supplies from Orange and Young are arriving. Plums: Early Gems, Jewells and Tuckers, 4/- to 6/-, few higher; Wilson, 8/- to 12/-; Peaches, 4/- to 12/- half case. Varieties being marketed are Rennie, King Edward, Rawson, Watt's Early, and Briggs. Pineapples, 10/- to 13/- case, few to 14/-; Passion Fruit (Qld.), 10/- to 15/- half case; (North Coast) 14/- to 18/-, few higher; Papaws, 8/- to 10/-, few 11/- trop. case; Tomatoes, Queensland, 4/- to 10/- half case; North Coast, 5/- to 10/-; special, 11/-; glasshouse, 7/- to 11/-.

AUSTRALIAN CITRUS FRUIT IN CANADA.

Report on Recent Shipment.

IN a report on the shipment of citrus fruit he accompanied to Canada as part of his investigation into citrus fruit problems, the Director of Fruit Culture of the Department of Agriculture stated that the shipment, which consisted of 3,814 cases of Oranges and 776 cases of Lemons, arrived at Vancouver on August 12 in excellent condition, the fruit being clean and bright and the quality good. As far as could be gathered from an inspection on the wharves no waste had occurred. The Government Fruit Inspector and the selling agents' representative both remarked upon the fine appearance of the fruit, which they considered was equal to the best of the Californian pack. At the time of writing the Oranges were being sold in Vancouver shops at a price equivalent to about 2d. each. Good publicity was given the shipment, and in many instances the fruit was being displayed in the shop windows alongside Californian Late Valencias, which, it was stated, were certainly showing it off to advantage.

While the Lemons did not carry quite as well as the Oranges, the fruit mostly had a bright appearance on arrival and was favorably commented upon. The larger Lemons were found to carry better than the smaller fruit. The selling agents intimated that there was a better market for Lemons than for Oranges, and they expected to sell the whole of the shipment of the former at a good price, straight from the wharves.

NEW SOUTH WALES.

Fruit crop prospects in N.S.W. are set out hereunder in the most recent report issued by Mr. G. D. Ross, Under Secretary for Agriculture:—

Pome Fruits (Inland).—The Apple crop gives indication that good to heavy settings of fruit will be general. A heavy Pair crop is expected from most centres.

Stone Fruits.—Apricots, heavy in the Bathurst, Orange and Young districts: other areas fair to medium.

Jap. Plums, heavy at Orange. English varieties light to good.

The Peach crop is heavy in the Albury, Bathurst, Goulburn and Orange districts.

Curlwaa/Coomealla.—A very heavy crop of Apricots is in sight, and some growers are "thinning out" the setting. Heavy yields of Peaches and Nectarines are expected. Bloom is showing on all citrus trees.

Coastal.—The Carrington Apple crop appears to be light throughout most localities. Later varieties have mostly set good crops.

The Apricot crop ranges from light to heavy.

Good to heavy crops of Plums are general.

Peaches heavy in most districts.

Marketing of the Valencia Orange crop is proceeding. Throughout all districts a generally good bloom on citrus is in evidence, being particularly heavy on Mandarins in some localities.

Bananas.—With the exception of hail storms which damaged same crops in the Lismore district, seasonal conditions were favorable. Planting of new areas which are stated to be extensive at Lismore, were undertaken during October.

Loadings at Murwillumbah showed a marked increase (from approx. 26,000 cases in September to 28,000 in October), and heavier marketings are anticipated from this centre as well as from the Brunswick and Coff's Harbor districts during November.

Pineapples.—On the Tweed the smooth leaf variety has been harvested. Good supplies of the rough leaf variety should be available until about mid-December.

In the Lismore district, both rough and smooth leaf Pines are being marketed, mostly in local centres. Additional plantings are under way.

The crop being harvested on the Clarence is very light, being affected by the dry and cold winter.

Passionfruit.—In the Clarence and Brunswick districts, there are some excellent crops. Marketing commenced at end of November.

Consignments of summer crop fruit are being forwarded to Sydney from the Tweed district. Production should increase rapidly, reaching the peak about mid-December.

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Telegraphic Address—"Citrus" Sydney.

An Apple and Pear Export Association is proposed in New South Wales. Alterations to the export grading regulations are desired.

Retail fruiterers express the opinion that with a reduced price for sugar there will be a revival in the purchasing of fruit for home jam-making. The high price of sugar has for several years meant a serious curtailment in the purchase of fruit for jam.

Nut Culture.—Referring to the recently formed Australian Nut Association, the firm of J. B. McKee, nurserymen, Ermington, New South Wales, have expressed their interest. They state that up to the present, the demand has been for Almonds—Early Jordan, Burbank, Nonpareil and Papershell. These are all grown by the firm mentioned on young Peach stocks. They further state there has been a healthy demand for nuts this season; the Walnut being first favorite, perhaps because it

is a fairly quick-growing tree, comparatively speaking, and a good cropper in the right climate, extremely hardy and of easy culture.

The appeal to the High Court on the subject of Marketing legislation has created very considerable attention.

FARMERS ON STRIKE.

Farmers in the State of Iowa, U.S.A., created what is known as the "Farmer's holiday movement," in other words—they went on strike against low prices.

Roads were picketed to prevent supplies of farm produce from reaching the city. The movement began when the farmers declared that they were receiving less than cost of production for their produce.

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H. BLACK & SON.

The firm of H. Black & Son was first originated by the founder, Mr. Henry G. Black, in 1896, the place of business then being the Belmore Markets, situated in Hay and Campbell streets, Sydney.

Mr. Black had previously been engaged since boyhood as a fruitgrower at Dural, in the well-known county of Cumberland district, his orchard at this time being comprised of about forty acres of both citrus and stone fruits. Mr. Black then started business as a fruit agent, leaving his three sons to manage the orchard, two of whom are still orchardists in the same district. Mr. Black, Senr., continued in business until 1907, when his youngest son (Mr. Roy Black) assisted him to carry on. In 1910, the City Markets were completed, and a move was made to No. 17, City Markets, where the business is now, the old Belmore Markets being taken over by the City Council and remodelled into shops.

In 1915, Mr. Roy E. Black enlisted, leaving his father to carry on until his return from the war in 1919. At the beginning of 1920 the business was known as H. Black & Son, the partners being Henry G. Black and Roy E. Black. Mr. Black, Senr., continued to take an active part in the business until 1926, when, through ill-health, he was compelled to relinquish his active work, though still a partner until his death in July, 1931. The business is now being carried on by the son, Mr. Roy E. Black. This firm is well known throughout New South Wales, their business up to date being confined to fruits grown within the State. In 1926 the Farm Produce Agents Act came into force, and the firm registered as Farm Produce Agents.

NEW REGISTRATIONS.

Charles, J. P., & Sons, "Rocky Glen," Goulburn (N.S.W.), orchardists—Com. 1/10/32. Proprietors: Joseph F., Ronald H., and Ernest F. Charles. Registered 21/10/32.

Brierley Bros., 207 Beecroft-road, Cheltenham (N.S.W.), wholesale nurserymen and Passion Fruit growers—Com. 20/10/32. Proprietor: Frederick H. W. E. Brierley. Registered 19/10/32.

Mr. H. N. Wicks, Chairman of the Advisory Board of Agriculture, presided at the 43rd Annual Congress of the South Australian Agricultural Bureau in mid-September, and presented the annual report. An appreciated address

was given by His Excellency the Governor General, Sir Isaac A. Isaacs.

CABBAGES SPRAYED WITH ARSENIC.**Perth Market Gardener to be Prosecuted.**

A prosecution is being launched against a Perth Market gardener, for having offered for sale cabbages which had been sprayed with arsenate of lead.

The cabbages were traced to the several purchasers and condemned. The Chief Health Inspector (Dr. F. Higgs) states there was potential death in the consignment: cooking would not have removed the danger of poisoning.

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PERSONAL.

After an exciting contest, Councillor James Ferguson, Chairman of the Markets Committee of the Melbourne City Council, was re-elected as a member of the Council for the Smith Ward.

Councillor Ferguson has performed services of great value in connection with the development of the City Council's marketing facilities, and his re-election as a member of the Council is appreciated.

Mr. A. S. M. Harrison (International Fruit Mercantile Co.) has been elected shippers' Vice-President of the Victorian Fruit Marketing Association. Mr. Harrison was one of the stalwarts who materially assisted in launching the V.F.M.A., and he has consistently supported the activities of the Association throughout its career.

Messrs. J. B. Mills and F. R. Mellor have been elected representatives of the Victorian Fruit Marketing Association on the Australian Apple and Pear Export Council. Mr. Mills is the President of the last-mentioned organisation. Mr. Mellor rendered valuable service in the drafting of its constitution.

Mr. William E. Branson, wholesale fruiterer of Melbourne, died on November 22. He was the first market representative of the Victorian Central Citrus Association, which position he took after practical experience as a citrus and dried fruit grower at Merbein. After leaving the V.C.C.A. he joined the firm of Herbert Wilson Pty. Ltd., wholesale fruit merchants. There are many expressions of regret among fruitgrowing and marketing interests at the passing of Mr. Branson.

Victoria.

Melbourne (29/11/32).—The following prices, quoted by the Wholesale Fruit Merchants' Association of Victoria, are those which ruled yesterday:—Apricots, 6/- to 8/- half-case. Apples (per case): Eating, 7/- to 10/-; cooking, 6/- to 8/-; special higher. Bananas (Queensland), double case, green, 8's and 9's, 20/- to 21/-; 7's, 16/- to 19/-; 6's, 14/- to 15/-. Cherries, 6/- to 11/- half case. Grapefruit, 6/- to 12/- double case, special higher. Lemons, 7/- to 12/-. Navel Oranges, 5/- to 13/-. Common Oranges, 5/- to 9/-; Val., 4/- to 8/- case. Pineapples (double case), 10/- to 14/-. Passion Fruit (half case), good fruit from 15/- upwards, according to quality. Papaws, 7/- to 10/- double case. Cucumbers (Queensland), 2/- to 4/- case.

The Melbourne market manager of the Federal Citrus Council of Australia reports that sales yesterday were as follow:—Vals., average standard grade, including N.S.W.,

96-112, 5/-; 126-182, 6/- and 7/-; 196-225, 6/-, a few selected standards, including special M.I.A. and N.S.W. coastal wrapped brands, to 7/6; a few 8/-; a few specially selected, 9/- and 10/-, best counts. Navel Oranges, average standard Vic., best counts, 140 up, to 9/-; with some 10/-; selected standards, to 12/-, best counts. Specially selected standards, to 14/-, best counts; faulty, lower. Common Oranges, average standard grade, 6/-, best counts; few, 7/-; good Mediterranean sweets higher. Grapefruit.—Good standards, to 12/-; best counts (60-75); selected, to 15/-; specially selected higher. Lemons, average standard grade, best counts (180-245), to 8/-; good standards, to 9/-; selected standards to 11/-; a few 12/-.

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Cucumbers for New Zealand.—Auckland merchants advising Australian shippers at the end of November to cease sending further consignments, as prices are unpayable.

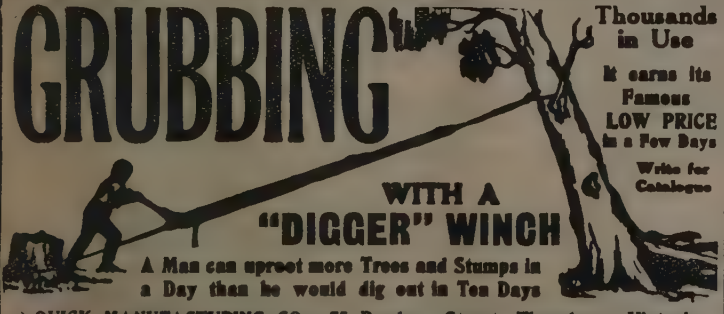
Australian consignors have been aided by the absence of a duty and the favorable exchange rate. There was a prolific crop of local cucumbers and the heavy consignments of Australia brought disastrous consequences.

* * * * *

New Zealand growers have complained to the Customs Department of the dumping from Australia of cucumbers, and citrus fruit, especially Lemons.

The new "chisel" method of grafting fruit trees is favorably reported on from Tasmania. Trees treated by this method two years ago at Scottsdale are now bearing a good crop of fruit.

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VICTORIAN FRUIT MARKETING ASSOCIATION.

THE MONTHLY MEETING of the Executive of the Victorian Fruit Marketing Association was held at the Commercial Travellers' Association on Wednesday, November 16, 1932.

There were present, Mr. G. W. Brown (in the chair), Messrs. Cave, Carne, Bailey, Webb, Eagle, Ford, Hutchinson, Jost, Mellor, Parnham, Barker, Lawford, Meeking and Krone (Department of Agriculture) and the Secretary. Messrs. Mellor and Harrison were thanked for having prepared a statement setting out the effect of the British Preferential duty of 4/6 per cwt. on Apples and Pears.

Equalising Railway Freights.—Mr. Webb reported having, in company with Mr. Parnham, waited on Mr. Molomby, Railway Commissioner. Mr. Brandy, of the Railways Department, was also in attendance.

The deputation was informed that the Railways could not undertake the bookkeeping which would be involved in equalising railway freights where a small consignment was left over and which had to go forward in a partially filled truck. The complaints in the past had mainly been in connection with Pears in insulated trucks. The Department, however, was agreeable to charging such left-over fruit on the basis of the smallest sized truck. Mr. Webb stated that in the Blackburn, Mitcham, Box Hill area, an organised system of loading was in operation, and those having fruit for trucking could arrange with the men in charge.

Report received. Messrs. Webb and Parnham thanked.

The Freight Question.—Letter received from Australian Overseas Transport Association, acknowledging letter to that body, and the Exporters' Overseas Transport Committee requesting a reduction in the freight on Apples and Pears exported, and stating that this matter would be brought up before the Executive at its first meeting. The Overseas Shipping Representatives' Association wrote acknowledging letter and directing attention to the fact that the matter of freight as embodied in the Fruit Agreement extended until June 30, 1933. Letters received.

Uniform Case.—Mr. Bailey moved, as per notice of motion—that this Association recommends to the Apple and Pear Export Council that the Canadian type case be adopted for the export of Apples.

He stated that the case question had to be settled sooner or later. The various States were looking for a lead in this matter. Of the quantity of Apples received in overseas markets, comparatively few went in "dump" cases. He suggested Australian hardwood should be used for preference: the use of seasoned timber would thus be necessary. Cases made of seasoned hardwood were not much heavier than those made from pine. Mr. Carne seconded.

Mr. Harrison expressed the desirability of having State uniformity as regards cases before making this

of Australian-wide application. Adoption of uniform case in the individual States would make for better stowage.

In the discussion, it was stated that South Australia and New South Wales favored the Canadian type case, Western Australia apparently preferred the "dump" case, as did many growers in Tasmania. Messrs. Ford and Jost stated they preferred the Canadian type case. Mr. Ford said that far more Canadian type cases were being used in Harcourt than ever.

Mr. Mellor stated that this matter would be solved by evolution. He approved of securing uniformity in Victoria first. In Germany there were many complaints regarding the hardwood case.

Mr. Cave supported the resolution. While the present difficulties existed regarding the stowage, a reduction in freight did not seem possible.

The motion was carried unanimously.

Trade with Germany.—Reply received from Department of Commerce, stating, in answer to letter from V.F.M.A., they were in touch with the situation as regards the proposed limitation of fruit imports into Germany, and were making suitable representations.

Mr. Harrison reported that from cables he had received it was understood these proposed restrictions would not apply to Australian fruit this season.

Office Bearers.—The following were elected: Growers' Vice-President, H. Ford, Harcourt; Shippers' Vice-President, A. S. Harrison. Delegates to Apple and Pear Export Council: Shippers, Messrs. Mills and Mellor (Mr. Mills to be on Executive); Growers, Messrs. Brown and Bailey (Mr. Bailey to be on Executive).

COMPULSORY MARKETING LEGISLATION.

Appeal to High Court in Peanut Case.

The Queensland Peanut Board has appealed to the High Court against the Queensland Supreme Court's decision that the State Marketing Acts violate the Commonwealth constitution.

Details of the decision by Mr. Justice Webb were published in our October issue.

The Governments of Queensland, N.S.W., Victoria and South Australia are intervening in the appeal, contending that section 92 of the constitution has no bearing on the Act under review.

The full bench, which is hearing the appeal, consists of the Chief Justice (Sir Frank Gavan Duffy), Sir George Rich, Mr. Justice Starke, Mr. Justice Dixon, Mr. Justice Evatt, Mr. Justice McTiernan.

The case is part heard.

At the Federal Council meeting of the Australian Dried Fruits Association, appreciation was expressed for the excellent trade publicity work in England of Mr. A. E. Hyland and his assistant, Mr. Barnes.

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Gembrook Nurseries, EMERALD, VICTORIA

'Phone, Ringwood 171.

"FRUIT WORLD ANNUAL."

Comprehensive review of
Australian and New Zealand
fruit industry

"The Fruit World," Box 1944
G.P.O., Melbourne.

SPECIAL NOTICE TO FRUITGROWERS

All Members
under
Fidelity Bond

In response to numerous requests from growers for information as to who are members of the WHOLESALE FRUIT MERCHANTS' ASSOCIATION OF VICTORIA, the following list is given. All are members of the above Association, and are registered firms carrying on business in the

Wholesale Fruit Market, Melbourne

Stand numbers are as indicated in parentheses.

H. M. WADE & CO. (21).
T. STOTT & SONS (26).
H. L. E. LOVETT & CO. (23).
A. E. PITT (14).
J. DAVIS PTY. LTD. (8).
W. S. TONG (31).
SILK BROS. PTY. LTD. (24-25).
J. G. MUMFORD (35).
GOLDEN VALLEY FRUIT CO. PTY. LTD. (15).
W. SWEENEY PTY. LTD. (33).

J. W. ROSS (13).
J. H. YOUNG & CO. PTY. LTD. (32).
DAVID SMITH PTY. LTD. (3).
SILBERT, SHARP & DAVIES PTY. LTD. (17).
A. MILLIS & SONS PTY. LTD. (34).
W. A. WATKINS (5).
P. A. PATRIKEOS (36).
R. RENOF (22).
G. WOOLF & SONS (29-30).
F. CAVE & CO. PTY. LTD. (9).
R. CORNISH & SONS (5).
J. HYMAN & SON (51).

GROWERS PROTECT YOURSELVES by consigning to members of the WHOLESALE FRUIT MERCHANTS' ASSOCIATION OF VICTORIA.

Correspondence is invited by the Association.

J. D. FRASER, Secretary, 422-428 Collins St., Melbourne

COMMERCIAL ENQUIRIES.

The following commercial enquiries have been received by the Department of Commerce. No responsibility is accepted as to the standing of enquirers, with whom firms interested are requested to communicate direct. References accompany those enquiries marked (a), and interested firms will be supplied, in confidence, with information as to the general standing of enquirers on application to the Department of Commerce, A.M.P. Buildings, Collins-street, Melbourne, C.1.

(a) 1. Messrs. L. Nielsen Ladefoged & Co. Ltd., of 15 Tooley-street, London, S.E.1, desire to get in touch with Australian egg exporters.

(a) 2. Mr. H. C. Rocker, of Drottninggatan 10, Stockholm, Sweden, desires to get in touch with Australian Apple exporters.

(a) 3. The British Fruit Co. Ltd., of 348/9 Salisbury House, London Wall, E.C.2, desire to obtain British agency for a firm of Australian packers of canned goods.

EXPORTS TO U.S.A.

Warning Re Packing Materials.

THE Chief Quarantine Officer of Plants, Mr. E. Meeking, has announced that according to information received through the Commonwealth Director-General of Health, authorities in the United States had issued a warning against the use of packing material likely to introduce pests and disease into America. The list of material prohibited for use in packing includes rice straw and rice hulls; cereal straw, chaff and hulls in general (wheat, oats, barley, etc.), corn and allied plants; cotton and allied products, leaves of plants; forest litter, grasses,

hay and similar indefinite masses of weeds and herbaceous plants; and earth containing an appreciable admixture of vegetable matter, except peat. Wheat straw, chaff and hulls from countries known to have flag smut are specifically prohibited.

The attention of exporters of all kinds of commodities is particularly drawn to the risk of using wheat straw, chaff and hulls, as flag smut exists in Australia, and nurserymen are warned against using leaves or straw of any kind as packing material; or of shipping plants growing in, or packed in soil.

Mr. Max J. Vickers, of Lenswood, South Australia, presented a very interesting paper before the 43rd Annual Congress of the S.A. Agricultural Bureau recently, regarding future trade prospects in the near East for fruit and vegetables. Mr. Vickers spoke of the steady increase in the trade, and without giving the impression that the Near East is going to absorb millions of bushels of Apples, Oranges, etc., nevertheless the trade was substantial and was capable of increasing to considerable commercial proportions.

Senator Sir Hal. Colebatch told the Sugar Consumers' Association recently that he was opposed to that portion of the new sugar agreement which would repeal provision for further revision of prices at the end of the 1933-34 season.

A resolution was carried urging Senators to vote accordingly.

Cincturing of Orange trees, also Currant and Sultana vines is dealt with in the notes by our Renmark correspondent in this issue.

The Annual Victorian conference of the Australian Dried Fruits Association was held at Nyah early in November. Delegates were present from Nyah West, Nyah, Woorinen, Mildura, Red Cliffs, Merbein, Bungunyah and Curlwaa. Mr. A. L. Johnstone, Mildura, was elected chairman. Resolutions were carried requesting that exchange be shown separately on final account sales; that shed classers should hold a certificate; that the Council for Scientific and Industrial Research be requested to study the frost problem; other matters were dealt with which were duly carried forward to the Federal Council.

PERSONAL.

Mr. T. A. Gepp, a Tasmanian fruit exporter, who passed through Melbourne on November 22 on his return from England, recommends the export of only the highest grade Apples, the balance should be canned or dehydrated. There was a market abroad for suitable canned Apples, also for dried Apples properly bleached.

Most of the fruit merchants with whom he came into contact favored a preference tariff to safeguard Empire fruits, and believed benefits would accrue to Empire fruit-growers from the Ottawa agreements.

Western Australia.

Perth (18/11/32).—Apples, Dunn's, dumps, 9/- to 14/-; Yates, 10/- to 12/6 (others from 8/-); G. Smith, 15/- to 18/- (special to 19/3, others from 12/); Demo., 11/- to 12/6; Rokewood, 11/- to 14/- (special to 15/6, inferior from 6/-); Oranges, plain, flats 4/6 to 8/-, dumps 6/- to 10/6 (special to 12/3); Navels, 8/- to 11/- (others from 6/6), 9/- to 14/6 (special to 16/6, others from 8/-); Lemons, 5/- to 9/- (special to 11/-, others from 4/-); Passion Fruit, half cases 17/-, quarter cases 12/- to 16/-, dumps, local 15/- to 23/-, Geraldton 15/- to 20/- (inferior from 8/-); Loquats, 4/- to 8/6 (special to 12/9, inferior from 2/-); Cherries, trays, 12/- to 16/- (others from 9/-).

The "Guider" Fruit Grader is an eight-bin, adjustable grader, built to give long service and satisfaction. For price, etc., see the advertisement in this issue of E. J. Vibert Pty. Ltd., Shepparton, Victoria.

SUPPORT CO-OPERATION

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FRUIT to the

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(Late Coastal Farmers' Co-operative
Society Ltd.)

Agents for

"BLACK LEAF 40"
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Newcastle Hobart
Launceston Devonport

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(W. P. COOKSLEY)

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Fruit Exchange, Brisbane
QUEENSLAND

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Reference: Commercial Banking
Co. of Sydney Ltd.

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Leading Australian Firm of Fresh Fruit Exporters.

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Hop Factors—Largest Cool Stores for Hop Storage in Commonwealth.

All Orchard Supplies available at all times.

Agents for—

Associated Evaporated Apple Manufacturers,
Eagle, Star & British Dominions Insurance Co. Ltd.,
Federal Steam Navigation Co. Ltd., Scottish Shire
Line of Steamers, Osaka Shosen Kaisha.

Correspondence Invited.

H. JONES & CO. PTY. LTD.

HOBART.

Export Fruit Cases

Canadian Bushel

With 5/16-in. sides. Limited quantity.
Guaranteed Whitewood.

Dump & Flat Bushel Cases

Supplied, Hardwood and Softwood.

Price and particulars on application to—

C. H. Miller Pty. Ltd.

188-140 A'BECKETT STREET, MELBOURNE

Phone, F 4939

Messrs. William Cooper & Nephews Ltd., 4 O'Connell-street, Sydney, are the sole manufacturers of Cooper's Arsinette, Alboleum, Bordinette, and Katakilla. For particulars of the pests controlled by the foregoing, see their advertisement on the back outside cover.

Ship Your Oranges, Lemons, Grapes to New Zealand



All consignments for
this market will have
careful attention and
realize highest prices
if sent to

The Co-operative
Fruitgrowers of Otago
Limited, Dunedin

Personal supervision of
every consignment.

Cheques posted promptly.

Drop us a Line or Cable
"Peachbloom," Dunedin.

NEW ZEALAND.

Heavy Showing of Apples and Pears.

Dunedin (17/11/32).—The Ettrick-Dumbarton district comprises the greater area of pip fruit from Otago. Last year, on November 24, a dreadful frost cleaned up the whole district, consequently this year all trees have a tremendous showing, in fact there never has been such a showing of fruit as this year. Frost has, however, partly affected the lower end of the district and will result in possibly a part crop.

Up to the present, frosts have not affected the immediate vicinity of Ettrick and Dumbarton, and thinning will have to be carried out extensively.

Prospects of quantities of shipments are heavy—providing Nature is not unkind again as last year.

Last year's damage to the trees has affected every variety of fruit, and there are heavy crops—with the exception of Cherries, which are very light—due to the cold backward weather. Dropping is very heavy. Strawberries are at present on the market and showing up very well. Raspberries also are showing up very well and show signs of supplying a big crop. Apricots are slightly touched with the frost; while good crops are expected of Plums and Peaches. In the Roxburgh district, which is the main centre for stone fruit, excellent crops are showing.—Fred Geo. Duncan, Sunnyvale Orchard Co. Ltd., Dunedin.

Dunedin (18/11/32).—Messrs. Reilly's Central Produce Mart Ltd. reports as follows:—There is a keen demand for choice dessert Strawberries, Cherries, Bananas, and Oranges. Ample supplies of Tomatoes. The "Monowai," from 'Frisco, brought forward from Raratonga 12,000 Tomatoes, 3,800 Bananas, and 120 Cocoanuts, besides American Grapes and Apples, all of which, especially the Bananas, will meet a keen demand. Some nice Apples are coming forward from Christchurch and Nelson, but Del. and Sturmers are now beginning to show the effects of cool storage. Strawberries arriving from the Roxburgh and Alexandra districts are in splendid condition, and Cherries from the North are very nice quality. Ample supplies of green Gooseberries are available. Prices:—Apples, Del., 10/- to 12/6; Lord Wolseleys, 8/-; Alf., choice, large cookers, 7/-; Sturmers, 8/- to 12/6; Demo., 8/-. Pines, 16/- to 22/6. Grapefruit, Aust., 16/-. Passions, 22/6. Lemons, Aust., 17/6; N.Z., 4/- to 6/-. Bananas, choice ripe Niues, 22/-. Oranges, Val., 15/-; commons, 12/-; Navels, 18/- to 25/-. Grapes, Cal., 30/- case. Strawberries, choice, 1/6 to 2/-.

NEW ZEALAND FRUIT CROPS.

Dunedin (17/11/32).—In regard to fruit crops—Apples, Pears, etc., for export to England from Otago, there will be really good crops of Apples right through the Dumbarton, Ettrick, Roxburgh and Alexandra districts, also in the South Canterbury and North Canterbury districts. Report re Nelson later. Generally there is a promise of ample supplies of berry fruits, and an exceptionally large quantity of Strawberries and Cherries, and Apricot growers are thinning extensively. Peaches and Nectarines also promise remarkably large crops. Outside Tomatoes are grown extensively, too, throughout these districts, also in the Canterbury districts.—Reilly's Central Produce Mart Ltd., Dunedin, N.Z.

Auckland (18/11/32).—As far as I can gather, there is an erratic crop of stone fruit. Some growers have fair quantities, whereas others are practically a wash-out. Citrus Fruit.—Lemons a heavy crop. It is rather early to estimate the Poorman and Marmalade Orange crops, as everything depends on the summer rains. Prospects seem to be for an average crop. Apples: Prospects here are for a fair average crop.—B. Fremlin, Rosebank-road, Avondale, Auckland, N.Z.

Queensland.

Brisbane (23/11/32).—Tas. Apples: Demo., 2½ in. to 2½ in. 12/- to 13/6 case, 2½ in. 12/- to 12/6, 2½ in. 10/- to 12/-; S.T.P., 2½ in. to 2½ in. 9/6 to 11/-, 2½ in. 9/- to 10/-, 2½ in. 8/- to 9/-; faulty S.T.P., 6/- to 8/-; Yates, 2½ in. to 3½ in. 11/6 to 13/-, 2 in. 9/6 to 10/-; Croftons, 2½ in. to 2½ in. 12/- to 13/-, 2½ in. 11/- to 12/-, 2½ in. 10/- to 11/-; F.C. (green), 2½ in. to 2½ in. 10/- to 11/-, 2½ in. 9/- to 10/-; F.C. (yellow), 6/- to 8/- case; local Papaws, colored 3/6 to 5/- case, other grades 1/6 to 3/-; special local Passion Fruit, best from 9/- to 11/- case, other grades 4/- to 7/-; smooth-leaf Pineapples, 5/- to 10/- case; Ripleys, local, best, 7/- to 12/-; Queensland Val. Oranges, small, 3/- to 4/-; special, 7/- to 8/6; common Oranges, best 4/6 to 5/-, special 5/- to 7/- inferior 3/- to 4/-; local Lemons, 4/- to 9/-; Grapefruit, 2/6 to 4/- case; Southern Lemons, 14/- to 17/-; Val., 5/- to 9/-; N.S.W. Passion Fruit, best 11/- to 13/-, second grade 3/- to 5/-; Southern Loquats, 7/- to 8/- case; Mangoes, Townsville 4/- to 6/- case, Bowen 6/- to 8/-; Cherries, best 4/- to 5/- tray, poor to medium 1/- to 3/-; Stanthorpe Peaches, 4/- to 7/- case.

You can get
A Higher Price for Your Fruit

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ORCHARD FRUIT SUPPLIES CO.
Rockhampton, Queensland

This Company owns five Retail Fruit Shops as well as running a substantial Wholesale and Country trade, and can get you the best possible prices for your fruit.

Prompt advices and returns.

Give us a trial now.

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GERRARD
The Tie That Binds

Less than 1d. per case is the cost of double strapping your fruit cases with Gerrard machines and wire-seal strapping.

Ask for particulars and free fruit packing charts.

Gerrard Wire Tying Machines Co. Pty. Ltd.
119-125 Hawke St., W. Melb., C.3.
SYDNEY, BRISBANE, ADELAIDE, TOWNSVILLE, PERTH

MODEL SPECIMENS OF FRUIT.**The Late Wm. D. Wilson Appreciated.**

At the Technological Museum, Melbourne, there is a remarkable set of models of fruit and other botanical specimens. This is the result of work of the late William D. Wilson. Between 700 and 800 models were dealt with: old errors of identification were corrected and the origin and history of many varieties of fruit were carefully traced. When this talented gentleman passed away

in June last, at his home in Ashburton, Vic., the fruit and horticultural industries lost a good friend.

He was a practical fruitgrower and exporter. Born at Newcastle-on-Tyne, England, in 1870, he came to Australia in 1888, and took many scientific degrees, was science lecturer at Dookie Agricultural College, and principal of the Longerenong Agricultural College, subsequently transferring to the Technological Museum, Melbourne. His services in the cause of agricultural science are widely appreciated.

QUEENSLAND.

Gympie (17/11/32).

The controversy over the importation of Fiji Bananas and the loss of Canadian preference on Pineapples is still a very keen burning question, no stone is being left unturned in an endeavor to have the whole matter reconsidered at the earliest possible moment.

Factory Strawberries.—The quality of the berries being received at the factories recently being so unsatisfactory the growers were issued with a circular stating that no deliveries would be received after November 9: the fruit was arriving mushy, and with the warmer weather, would not be suitable for jam making.

The C.O.D. of Fruit Marketing are issuing a direction for the control of any deciduous fruit to any canner, preserver, jam or pulp manufacturer or juice extractor, such direction to come into force on January 15, 1933, subject to a poll being demanded and taken as provided on the Fruit Marketing Act. They have also issued a form of

authority to be signed by any grower who desires his produce diverted from any agent or merchant handling Fiji Bananas. This is being very freely signed. Large quantities of Cherries are now arriving from the south and prices are retailed at 1/3 per lb.; early Cherry Plums are retailing at 6d. per lb.

The syndicate of Banana growers who acquired an area of Government land at Tin Can Bay, have had a very successful burn and are now busy logging up the area prior to planting in January. The method of planting suckers is to be substituted by the use of "buds." These are pseudo suckers taken from the corm with a fair percentage of corm attached; by doing this the growth of the young plant is not checked at all as the bud subsists on the portion of the corm until roots are thrown out and the corm acts as a fertiliser as well as retaining the necessary moisture. Government departmental officers are assisting in the experiments with a series of fertilisers.

— THE —

Brisbane Fruit Markets

ROBSONS LIMITED

(Wm. Robson, Managing Director)

Guarantee satisfaction to Clients. Send us a trial consignment.

FRUIT EXCHANGE, BRISBANE, Qld.

Account Sales and Cheques sent promptly.

Shipping No. 28.

Highest Prices.

Prompt Returns

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**FRUIT EXCHANGE, BRISBANE,
QUEENSLAND.**

*Wholesale Fruit Merchant
and Growers' Agent.*

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Your consignments will receive best attention from

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261 Maroubra Bay Road,
Maroubra, Sydney, N.S.W.

Phone: F J 1366

Brands

Tasmanian
Shipping No. 23

All Others
E.W. 86, Bris.

Reference:

National Bank of Australasia Ltd.,
George Street, Brisbane,
Queensland

QUEENSLAND.

Redland Bay, 17/11/32.—Mr. J. Collins writes as follows:—It is too early yet to give any estimate of the coming fruit crops in this district.

The principal fruits grown are Pineapples, which promise to be, up to, or slightly over the general average crop.

Custard Apples are not yet in flower, and climatic conditions in relation to warm days and nights during flowering will decide whether there will be a good, or bad crop of fruit.

Oranges and Mandarins—the present indications point to a very heavy crop generally.

On account of the ravages of beetle borer and bunchy top, the area under crop of Bananas is not as large as a few years ago, although a few new areas have recently been planted; as a rule the yield of Bananas in this district is good.

Lemons are not grown to any large extent, but some splendid fruit is at present being marketed from here.

Papaws are what may be termed sure croppers, and fairly large quantities are grown here.

Tomatoes may be said to be the principal crop of the district at present; there has been a good yield of fruit, but prices have been very low this season.

Stanthorpe, 17/11/32.—This district has not felt the depression to any extent up to time of writing, and if it sells the present crop at payable prices to the grower it will stand out on its own as a fruit producing district.

Given normal seasonsable conditions, the fruit crop will be a record.

Stone fruit has set heavily, especially Plums, both Japanese and English, and one can easily do £50 in thinning seven or eight acres of them.

All Apples appear to be heavy.

Pears are a little patchy, but still carrying good crops, and grapes perhaps will be lighter than last season.

I would say the district is carrying 50 per cent. more fruit than the previous season.

The growers' organisation, i.e., the C.O.D., is at present endeavoring to meet the situation for the successful marketing of the coming crop. So let us all wish them success.

It is past history that Stanthorpe Granny Smiths have made a market for themselves, both overseas and in the East.—H. M. Jones.

Applethorpe.—Under date November 20, Mr. D. Pfrunder gives the following interesting notes from his district:—

There is a heavy setting of nearly all varieties of de-

ciduous fruits, particularly Plums and Peaches, which are much heavier than last season.

Apples and Pears are medium to heavy, and Grapes promise to yield a good crop. Large areas are being put under Tomatoes and various vegetable crops. The season promises to be a very abundant one and weather conditions are very favorable.

During last season over 16,000 tons of fruit and vegetables were despatched from this district, and this quantity will be exceeded by at least 25 per cent. this season.

The Deciduous Sectional Group Committee has approved of a scheme under which growers who sustain damage to their crops by hail may be afforded some relief.

Orchards generally are in good condition and growers appear to be attending to cultural matters better than formerly.

There is a considerable increase in the area under Apples, and recent plantings are almost confined to Delicious, Jonathan and Granny Smith varieties. The latter is mostly favored and does exceptionally well here.

Apples to be Exported.

Growers are making arrangements to export considerable quantities this season as it is realised that overseas markets must be availed of in order to prevent a glutted market locally.

Brisbane is the principal market, although considerable quantities are supplied direct to dealers in the country. Unfortunately growers, in their efforts to secure private orders frequently cut prices unnecessarily.

Owing to the heavy crops likely, Queensland will offer a poor market to Southern shippers until late in the season.

Stanthorpe (24/11/32).—Mr. A. H. Paget reports as follows:—Fruit crops, Stanthorpe area: Plums and Peaches heavy; Pears light; Apples, Jons. fair to heavy, Del. and G. Smiths heavy. Grapes, good. Splendid rain has fallen, averaging two inches. Growers are booking space to England on three early boats.

(See also page 626)

"Red Rose" Nicotine Sulphate is guaranteed 40 per cent. pure nicotine and is of great assistance to the orchardist and poultryman. The manufacturers are David T. Boyd & Co. Ltd., 59 Mark-lane, London, E.C.3. Agents for Victoria are Messrs. D. & W. Chandler Ltd., 120 Johnston-street, Fitzroy.

A Final Flutter.

Warder: "You can have anything you like for breakfast now you're sentenced to be hanged!"

Condemned Man: "I think I'll try mushrooms—I've always hesitated to eat them for fear of being poisoned."

Do not run any Financial Risk with your Fruit
but Consign it to

HEDLEY GEEVES LIMITED

Telegraphic Address:

"Apples, Brisbane"

(Hedley Geves, Managing Director)

Registered Shipping No. 6.

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BRISBANE

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Harcourt Fruit Supply Co. Ltd.
Victorian Central Citrus Assn. Ltd.

Tasmania: State Fruit Advisory Board.
New South Wales: N.S.W. Central Citrus Assn. Ltd.
Batlow Packing House Co-op. Soc. Ltd.